



# Appendix B

## E-UTRA Band 41



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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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# 1 Effective (Isotropic) Radiated Power

## 1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	limit (dBm)	Verdict
Band41	5MHz	QPSK	40065	1RB#0	22.85	21.79	33.00	PASS
Band41	5MHz	QPSK	40065	1RB#12	22.52	21.46	33.00	PASS
Band41	5MHz	QPSK	40065	1RB#24	22.68	21.62	33.00	PASS
Band41	5MHz	QPSK	40065	12RB#6	21.59	20.53	33.00	PASS
Band41	5MHz	QPSK	40065	12RB#0	21.54	20.48	33.00	PASS
Band41	5MHz	QPSK	40065	12RB#13	21.64	20.58	33.00	PASS
Band41	5MHz	QPSK	40065	25RB#0	21.80	20.74	33.00	PASS
Band41	5MHz	QPSK	40640	1RB#24	22.54	21.48	33.00	PASS
Band41	5MHz	QPSK	40640	1RB#0	22.54	21.48	33.00	PASS
Band41	5MHz	QPSK	40640	1RB#12	22.73	21.67	33.00	PASS
Band41	5MHz	QPSK	40640	12RB#0	21.66	20.6	33.00	PASS
Band41	5MHz	QPSK	40640	12RB#6	21.58	20.52	33.00	PASS
Band41	5MHz	QPSK	40640	12RB#13	21.63	20.57	33.00	PASS
Band41	5MHz	QPSK	40640	25RB#0	21.74	20.68	33.00	PASS
Band41	5MHz	QPSK	41215	1RB#12	22.75	21.69	33.00	PASS
Band41	5MHz	QPSK	41215	1RB#0	22.63	21.57	33.00	PASS
Band41	5MHz	QPSK	41215	1RB#24	22.63	21.57	33.00	PASS
Band41	5MHz	QPSK	41215	12RB#13	21.71	20.65	33.00	PASS
Band41	5MHz	QPSK	41215	12RB#6	21.52	20.46	33.00	PASS
Band41	5MHz	QPSK	41215	12RB#0	21.70	20.64	33.00	PASS
Band41	5MHz	QPSK	41215	25RB#0	21.56	20.5	33.00	PASS
Band41	5MHz	64QAM	40065	1RB#0	21.16	20.1	33.00	PASS
Band41	5MHz	64QAM	40065	1RB#24	21.17	20.11	33.00	PASS
Band41	5MHz	64QAM	40065	1RB#12	21.12	20.06	33.00	PASS
Band41	5MHz	64QAM	40065	12RB#0	20.01	18.95	33.00	PASS
Band41	5MHz	64QAM	40065	12RB#6	20.00	18.94	33.00	PASS
Band41	5MHz	64QAM	40065	12RB#13	19.96	18.9	33.00	PASS



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Band41	5MHz	64QAM	40065	25RB#0	20.09	19.03	33.00	PASS
Band41	5MHz	64QAM	40640	1RB#0	21.05	19.99	33.00	PASS
Band41	5MHz	64QAM	40640	1RB#12	21.14	20.08	33.00	PASS
Band41	5MHz	64QAM	40640	1RB#24	21.33	20.27	33.00	PASS
Band41	5MHz	64QAM	40640	12RB#13	20.10	19.04	33.00	PASS
Band41	5MHz	64QAM	40640	12RB#6	20.00	18.94	33.00	PASS
Band41	5MHz	64QAM	40640	12RB#0	20.04	18.98	33.00	PASS
Band41	5MHz	64QAM	40640	25RB#0	20.02	18.96	33.00	PASS
Band41	5MHz	64QAM	41215	1RB#0	21.14	20.08	33.00	PASS
Band41	5MHz	64QAM	41215	1RB#12	21.00	19.94	33.00	PASS
Band41	5MHz	64QAM	41215	1RB#24	21.26	20.2	33.00	PASS
Band41	5MHz	64QAM	41215	12RB#0	19.89	18.83	33.00	PASS
Band41	5MHz	64QAM	41215	12RB#6	19.85	18.79	33.00	PASS
Band41	5MHz	64QAM	41215	12RB#13	19.85	18.79	33.00	PASS
Band41	5MHz	64QAM	41215	25RB#0	19.94	18.88	33.00	PASS
Band41	5MHz	16QAM	40065	1RB#0	21.71	20.65	33.00	PASS
Band41	5MHz	16QAM	40065	1RB#24	21.68	20.62	33.00	PASS
Band41	5MHz	16QAM	40065	1RB#12	21.85	20.79	33.00	PASS
Band41	5MHz	16QAM	40065	12RB#13	20.70	19.64	33.00	PASS
Band41	5MHz	16QAM	40065	12RB#6	20.62	19.56	33.00	PASS
Band41	5MHz	16QAM	40065	12RB#0	20.52	19.46	33.00	PASS
Band41	5MHz	16QAM	40065	25RB#0	20.86	19.8	33.00	PASS
Band41	5MHz	16QAM	40640	1RB#0	21.69	20.63	33.00	PASS
Band41	5MHz	16QAM	40640	1RB#12	21.71	20.65	33.00	PASS
Band41	5MHz	16QAM	40640	1RB#24	21.98	20.92	33.00	PASS
Band41	5MHz	16QAM	40640	12RB#0	20.71	19.65	33.00	PASS
Band41	5MHz	16QAM	40640	12RB#6	20.76	19.7	33.00	PASS
Band41	5MHz	16QAM	40640	12RB#13	20.58	19.52	33.00	PASS
Band41	5MHz	16QAM	40640	25RB#0	20.60	19.54	33.00	PASS
Band41	5MHz	16QAM	41215	1RB#0	21.89	20.83	33.00	PASS
Band41	5MHz	16QAM	41215	1RB#24	21.81	20.75	33.00	PASS
Band41	5MHz	16QAM	41215	1RB#12	21.84	20.78	33.00	PASS
Band41	5MHz	16QAM	41215	12RB#0	20.56	19.5	33.00	PASS



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Band41	5MHz	16QAM	41215	12RB#6	20.54	19.48	33.00	PASS
Band41	5MHz	16QAM	41215	12RB#13	20.60	19.54	33.00	PASS
Band41	5MHz	16QAM	41215	25RB#0	20.63	19.57	33.00	PASS
Band41	10MHz	QPSK	40090	1RB#49	22.90	21.84	33.00	PASS
Band41	10MHz	QPSK	40090	1RB#24	22.61	21.55	33.00	PASS
Band41	10MHz	QPSK	40090	1RB#0	22.80	21.74	33.00	PASS
Band41	10MHz	QPSK	40090	25RB#12	21.61	20.55	33.00	PASS
Band41	10MHz	QPSK	40090	25RB#0	21.56	20.5	33.00	PASS
Band41	10MHz	QPSK	40090	25RB#25	21.71	20.65	33.00	PASS
Band41	10MHz	QPSK	40090	50RB#0	21.87	20.81	33.00	PASS
Band41	10MHz	QPSK	40640	1RB#24	22.54	21.48	33.00	PASS
Band41	10MHz	QPSK	40640	1RB#49	22.51	21.45	33.00	PASS
Band41	10MHz	QPSK	40640	1RB#0	22.82	21.76	33.00	PASS
Band41	10MHz	QPSK	40640	25RB#25	21.80	20.74	33.00	PASS
Band41	10MHz	QPSK	40640	25RB#0	21.69	20.63	33.00	PASS
Band41	10MHz	QPSK	40640	25RB#12	21.67	20.61	33.00	PASS
Band41	10MHz	QPSK	40640	50RB#0	21.79	20.73	33.00	PASS
Band41	10MHz	QPSK	41190	1RB#49	22.86	21.8	33.00	PASS
Band41	10MHz	QPSK	41190	1RB#24	22.74	21.68	33.00	PASS
Band41	10MHz	QPSK	41190	1RB#0	22.63	21.57	33.00	PASS
Band41	10MHz	QPSK	41190	25RB#25	21.74	20.68	33.00	PASS
Band41	10MHz	QPSK	41190	25RB#0	21.52	20.46	33.00	PASS
Band41	10MHz	QPSK	41190	25RB#12	21.80	20.74	33.00	PASS
Band41	10MHz	QPSK	41190	50RB#0	21.69	20.63	33.00	PASS
Band41	10MHz	64QAM	40090	1RB#24	20.83	19.77	33.00	PASS
Band41	10MHz	64QAM	40090	1RB#49	20.80	19.74	33.00	PASS
Band41	10MHz	64QAM	40090	1RB#0	20.97	19.91	33.00	PASS
Band41	10MHz	64QAM	40090	25RB#0	19.82	18.76	33.00	PASS
Band41	10MHz	64QAM	40090	25RB#12	19.74	18.68	33.00	PASS
Band41	10MHz	64QAM	40090	25RB#25	19.64	18.58	33.00	PASS
Band41	10MHz	64QAM	40090	50RB#0	19.98	18.92	33.00	PASS
Band41	10MHz	64QAM	40640	1RB#49	20.81	19.75	33.00	PASS
Band41	10MHz	64QAM	40640	1RB#0	20.83	19.77	33.00	PASS



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Band41	10MHz	64QAM	40640	1RB#24	21.10	20.04	33.00	PASS
Band41	10MHz	64QAM	40640	25RB#0	19.83	18.77	33.00	PASS
Band41	10MHz	64QAM	40640	25RB#12	19.88	18.82	33.00	PASS
Band41	10MHz	64QAM	40640	25RB#25	19.70	18.64	33.00	PASS
Band41	10MHz	64QAM	40640	50RB#0	19.72	18.66	33.00	PASS
Band41	10MHz	64QAM	41190	1RB#0	21.01	19.95	33.00	PASS
Band41	10MHz	64QAM	41190	1RB#49	20.93	19.87	33.00	PASS
Band41	10MHz	64QAM	41190	1RB#24	20.96	19.9	33.00	PASS
Band41	10MHz	64QAM	41190	25RB#25	19.68	18.62	33.00	PASS
Band41	10MHz	64QAM	41190	25RB#0	19.66	18.6	33.00	PASS
Band41	10MHz	64QAM	41190	25RB#12	19.72	18.66	33.00	PASS
Band41	10MHz	64QAM	41190	50RB#0	19.75	18.69	33.00	PASS
Band41	10MHz	16QAM	40090	1RB#0	21.78	20.72	33.00	PASS
Band41	10MHz	16QAM	40090	1RB#24	21.77	20.71	33.00	PASS
Band41	10MHz	16QAM	40090	1RB#49	21.94	20.88	33.00	PASS
Band41	10MHz	16QAM	40090	25RB#12	20.81	19.75	33.00	PASS
Band41	10MHz	16QAM	40090	25RB#0	20.74	19.68	33.00	PASS
Band41	10MHz	16QAM	40090	25RB#25	20.62	19.56	33.00	PASS
Band41	10MHz	16QAM	40090	50RB#0	20.87	19.81	33.00	PASS
Band41	10MHz	16QAM	40640	1RB#0	21.77	20.71	33.00	PASS
Band41	10MHz	16QAM	40640	1RB#49	21.74	20.68	33.00	PASS
Band41	10MHz	16QAM	40640	1RB#24	22.03	20.97	33.00	PASS
Band41	10MHz	16QAM	40640	25RB#0	20.84	19.78	33.00	PASS
Band41	10MHz	16QAM	40640	25RB#25	20.84	19.78	33.00	PASS
Band41	10MHz	16QAM	40640	25RB#12	20.70	19.64	33.00	PASS
Band41	10MHz	16QAM	40640	50RB#0	20.72	19.66	33.00	PASS
Band41	10MHz	16QAM	41190	1RB#0	22.02	20.96	33.00	PASS
Band41	10MHz	16QAM	41190	1RB#49	21.82	20.76	33.00	PASS
Band41	10MHz	16QAM	41190	1RB#24	21.94	20.88	33.00	PASS
Band41	10MHz	16QAM	41190	25RB#0	20.69	19.63	33.00	PASS
Band41	10MHz	16QAM	41190	25RB#12	20.90	19.84	33.00	PASS
Band41	10MHz	16QAM	41190	25RB#25	20.63	19.57	33.00	PASS
Band41	10MHz	16QAM	41190	50RB#0	20.70	19.64	33.00	PASS



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Band41	15MHz	QPSK	40115	1RB#38	22.73	21.67	33.00	PASS
Band41	15MHz	QPSK	40115	1RB#0	22.82	21.76	33.00	PASS
Band41	15MHz	QPSK	40115	36RB#39	21.74	20.68	33.00	PASS
Band41	15MHz	QPSK	40115	36RB#18	21.70	20.64	33.00	PASS
Band41	15MHz	QPSK	40115	36RB#0	21.78	20.72	33.00	PASS
Band41	15MHz	QPSK	40115	75RB#0	21.89	20.83	33.00	PASS
Band41	15MHz	QPSK	40640	1RB#0	22.67	21.61	33.00	PASS
Band41	15MHz	QPSK	40640	1RB#38	22.63	21.57	33.00	PASS
Band41	15MHz	QPSK	40640	1RB#74	22.85	21.79	33.00	PASS
Band41	15MHz	QPSK	40640	36RB#0	21.87	20.81	33.00	PASS
Band41	15MHz	QPSK	40640	36RB#18	21.79	20.73	33.00	PASS
Band41	15MHz	QPSK	40640	36RB#39	21.79	20.73	33.00	PASS
Band41	15MHz	QPSK	40640	75RB#0	21.87	20.81	33.00	PASS
Band41	15MHz	QPSK	41165	1RB#0	22.86	21.8	33.00	PASS
Band41	15MHz	QPSK	41165	1RB#38	22.74	21.68	33.00	PASS
Band41	15MHz	QPSK	41165	1RB#74	22.76	21.7	33.00	PASS
Band41	15MHz	QPSK	41165	36RB#0	21.75	20.69	33.00	PASS
Band41	15MHz	QPSK	41165	36RB#18	21.64	20.58	33.00	PASS
Band41	15MHz	QPSK	41165	36RB#39	21.81	20.75	33.00	PASS
Band41	15MHz	QPSK	41165	75RB#0	21.73	20.67	33.00	PASS
Band41	15MHz	64QAM	40115	1RB#74	20.90	19.84	33.00	PASS
Band41	15MHz	64QAM	40115	1RB#38	20.89	19.83	33.00	PASS
Band41	15MHz	64QAM	40115	1RB#0	21.06	20	33.00	PASS
Band41	15MHz	64QAM	40115	36RB#0	19.93	18.87	33.00	PASS
Band41	15MHz	64QAM	40115	36RB#18	19.86	18.8	33.00	PASS
Band41	15MHz	64QAM	40115	36RB#39	19.74	18.68	33.00	PASS
Band41	15MHz	64QAM	40115	75RB#0	19.99	18.93	33.00	PASS
Band41	15MHz	64QAM	40640	1RB#38	20.89	19.83	33.00	PASS
Band41	15MHz	64QAM	40640	1RB#74	20.86	19.8	33.00	PASS
Band41	15MHz	64QAM	40640	1RB#0	21.15	20.09	33.00	PASS
Band41	15MHz	64QAM	40640	36RB#39	19.96	18.9	33.00	PASS
Band41	15MHz	64QAM	40640	36RB#0	19.96	18.9	33.00	PASS



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Band41	15MHz	64QAM	40640	36RB#18	19.82	18.76	33.00	PASS
Band41	15MHz	64QAM	40640	75RB#0	19.84	18.78	33.00	PASS
Band41	15MHz	64QAM	41165	1RB#0	21.14	20.08	33.00	PASS
Band41	15MHz	64QAM	41165	1RB#38	20.94	19.88	33.00	PASS
Band41	15MHz	64QAM	41165	1RB#74	21.06	20	33.00	PASS
Band41	15MHz	64QAM	41165	36RB#18	19.81	18.75	33.00	PASS
Band41	15MHz	64QAM	41165	36RB#0	20.02	18.96	33.00	PASS
Band41	15MHz	64QAM	41165	36RB#39	19.75	18.69	33.00	PASS
Band41	15MHz	64QAM	41165	75RB#0	19.82	18.76	33.00	PASS
Band41	15MHz	16QAM	40115	1RB#38	21.91	20.85	33.00	PASS
Band41	15MHz	16QAM	40115	1RB#0	21.91	20.85	33.00	PASS
Band41	15MHz	16QAM	40115	1RB#74	21.97	20.91	33.00	PASS
Band41	15MHz	16QAM	40115	36RB#0	20.85	19.79	33.00	PASS
Band41	15MHz	16QAM	40115	36RB#39	20.81	19.75	33.00	PASS
Band41	15MHz	16QAM	40115	36RB#18	20.73	19.67	33.00	PASS
Band41	15MHz	16QAM	40115	75RB#0	20.92	19.86	33.00	PASS
Band41	15MHz	16QAM	40640	1RB#38	21.85	20.79	33.00	PASS
Band41	15MHz	16QAM	40640	1RB#74	21.88	20.82	33.00	PASS
Band41	15MHz	16QAM	40640	1RB#0	22.12	21.06	33.00	PASS
Band41	15MHz	16QAM	40640	36RB#0	20.91	19.85	33.00	PASS
Band41	15MHz	16QAM	40640	36RB#18	20.86	19.8	33.00	PASS
Band41	15MHz	16QAM	40640	36RB#39	20.81	19.75	33.00	PASS
Band41	15MHz	16QAM	40640	75RB#0	20.81	19.75	33.00	PASS
Band41	15MHz	16QAM	41165	1RB#0	22.02	20.96	33.00	PASS
Band41	15MHz	16QAM	41165	1RB#38	21.85	20.79	33.00	PASS
Band41	15MHz	16QAM	41165	1RB#74	22.04	20.98	33.00	PASS
Band41	15MHz	16QAM	41165	36RB#0	20.73	19.67	33.00	PASS
Band41	15MHz	16QAM	41165	36RB#18	20.61	19.55	33.00	PASS
Band41	15MHz	16QAM	41165	36RB#39	20.68	19.62	33.00	PASS
Band41	15MHz	16QAM	41165	75RB#0	20.76	19.7	33.00	PASS
Band41	20MHz	QPSK	40140	1RB#0	23.00	21.94	33.00	PASS
Band41	20MHz	QPSK	40140	1RB#49	22.85	21.79	33.00	PASS
Band41	20MHz	QPSK	40140	1RB#99	22.84	21.78	33.00	PASS



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Band41	20MHz	QPSK	40140	50RB#25	21.87	20.81	33.00	PASS
Band41	20MHz	QPSK	40140	50RB#0	21.84	20.78	33.00	PASS
Band41	20MHz	QPSK	40140	50RB#50	21.85	20.79	33.00	PASS
Band41	20MHz	QPSK	40140	100RB#0	21.91	20.85	33.00	PASS
Band41	20MHz	QPSK	40640	1RB#99	22.80	21.74	33.00	PASS
Band41	20MHz	QPSK	40640	1RB#0	22.75	21.69	33.00	PASS
Band41	20MHz	QPSK	40640	1RB#49	22.88	21.82	33.00	PASS
Band41	20MHz	QPSK	40640	50RB#0	21.94	20.88	33.00	PASS
Band41	20MHz	QPSK	40640	50RB#25	21.89	20.83	33.00	PASS
Band41	20MHz	QPSK	40640	50RB#50	21.91	20.85	33.00	PASS
Band41	20MHz	QPSK	40640	100RB#0	21.95	20.89	33.00	PASS
Band41	20MHz	QPSK	41140	1RB#49	22.86	21.8	33.00	PASS
Band41	20MHz	QPSK	41140	1RB#0	22.74	21.68	33.00	PASS
Band41	20MHz	QPSK	41140	1RB#99	22.89	21.83	33.00	PASS
Band41	20MHz	QPSK	41140	50RB#25	21.76	20.7	33.00	PASS
Band41	20MHz	QPSK	41140	50RB#0	21.76	20.7	33.00	PASS
Band41	20MHz	QPSK	41140	50RB#50	21.82	20.76	33.00	PASS
Band41	20MHz	QPSK	41140	100RB#0	21.77	20.71	33.00	PASS
Band41	20MHz	64QAM	40140	1RB#0	21.03	19.97	33.00	PASS
Band41	20MHz	64QAM	40140	1RB#49	21.03	19.97	33.00	PASS
Band41	20MHz	64QAM	40140	1RB#99	21.09	20.03	33.00	PASS
Band41	20MHz	64QAM	40140	50RB#50	19.97	18.91	33.00	PASS
Band41	20MHz	64QAM	40140	50RB#0	19.93	18.87	33.00	PASS
Band41	20MHz	64QAM	40140	50RB#25	19.85	18.79	33.00	PASS
Band41	20MHz	64QAM	40140	100RB#0	20.04	18.98	33.00	PASS
Band41	20MHz	64QAM	40640	1RB#0	20.97	19.91	33.00	PASS
Band41	20MHz	64QAM	40640	1RB#49	21.00	19.94	33.00	PASS
Band41	20MHz	64QAM	40640	1RB#99	21.24	20.18	33.00	PASS
Band41	20MHz	64QAM	40640	50RB#0	20.03	18.97	33.00	PASS
Band41	20MHz	64QAM	40640	50RB#25	19.98	18.92	33.00	PASS
Band41	20MHz	64QAM	40640	50RB#50	19.93	18.87	33.00	PASS
Band41	20MHz	64QAM	40640	100RB#0	19.93	18.87	33.00	PASS
Band41	20MHz	64QAM	41140	1RB#99	21.14	20.08	33.00	PASS



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Band41	20MHz	64QAM	41140	1RB#0	20.97	19.91	33.00	PASS
Band41	20MHz	64QAM	41140	1RB#49	21.16	20.1	33.00	PASS
Band41	20MHz	64QAM	41140	50RB#0	19.85	18.79	33.00	PASS
Band41	20MHz	64QAM	41140	50RB#50	19.73	18.67	33.00	PASS
Band41	20MHz	64QAM	41140	50RB#25	19.80	18.74	33.00	PASS
Band41	20MHz	64QAM	41140	100RB#0	19.88	18.82	33.00	PASS
Band41	20MHz	16QAM	40140	1RB#0	22.04	20.98	33.00	PASS
Band41	20MHz	16QAM	40140	1RB#49	22.05	20.99	33.00	PASS
Band41	20MHz	16QAM	40140	1RB#99	22.00	20.94	33.00	PASS
Band41	20MHz	16QAM	40140	50RB#0	20.89	19.83	33.00	PASS
Band41	20MHz	16QAM	40140	50RB#25	20.88	19.82	33.00	PASS
Band41	20MHz	16QAM	40140	50RB#50	20.84	19.78	33.00	PASS
Band41	20MHz	16QAM	40140	100RB#0	20.97	19.91	33.00	PASS
Band41	20MHz	16QAM	40640	1RB#0	21.93	20.87	33.00	PASS
Band41	20MHz	16QAM	40640	1RB#99	22.02	20.96	33.00	PASS
Band41	20MHz	16QAM	40640	1RB#49	22.21	21.15	33.00	PASS
Band41	20MHz	16QAM	40640	50RB#0	20.98	19.92	33.00	PASS
Band41	20MHz	16QAM	40640	50RB#25	20.88	19.82	33.00	PASS
Band41	20MHz	16QAM	40640	50RB#50	20.92	19.86	33.00	PASS
Band41	20MHz	16QAM	40640	100RB#0	20.90	19.84	33.00	PASS
Band41	20MHz	16QAM	41140	1RB#0	22.02	20.96	33.00	PASS
Band41	20MHz	16QAM	41140	1RB#99	21.88	20.82	33.00	PASS
Band41	20MHz	16QAM	41140	1RB#49	22.14	21.08	33.00	PASS
Band41	20MHz	16QAM	41140	50RB#50	20.77	19.71	33.00	PASS
Band41	20MHz	16QAM	41140	50RB#25	20.73	19.67	33.00	PASS
Band41	20MHz	16QAM	41140	50RB#0	20.73	19.67	33.00	PASS
Band41	20MHz	16QAM	41140	100RB#0	20.82	19.76	33.00	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

$$ERP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBd]}$$

$$EIRP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBi]}$$



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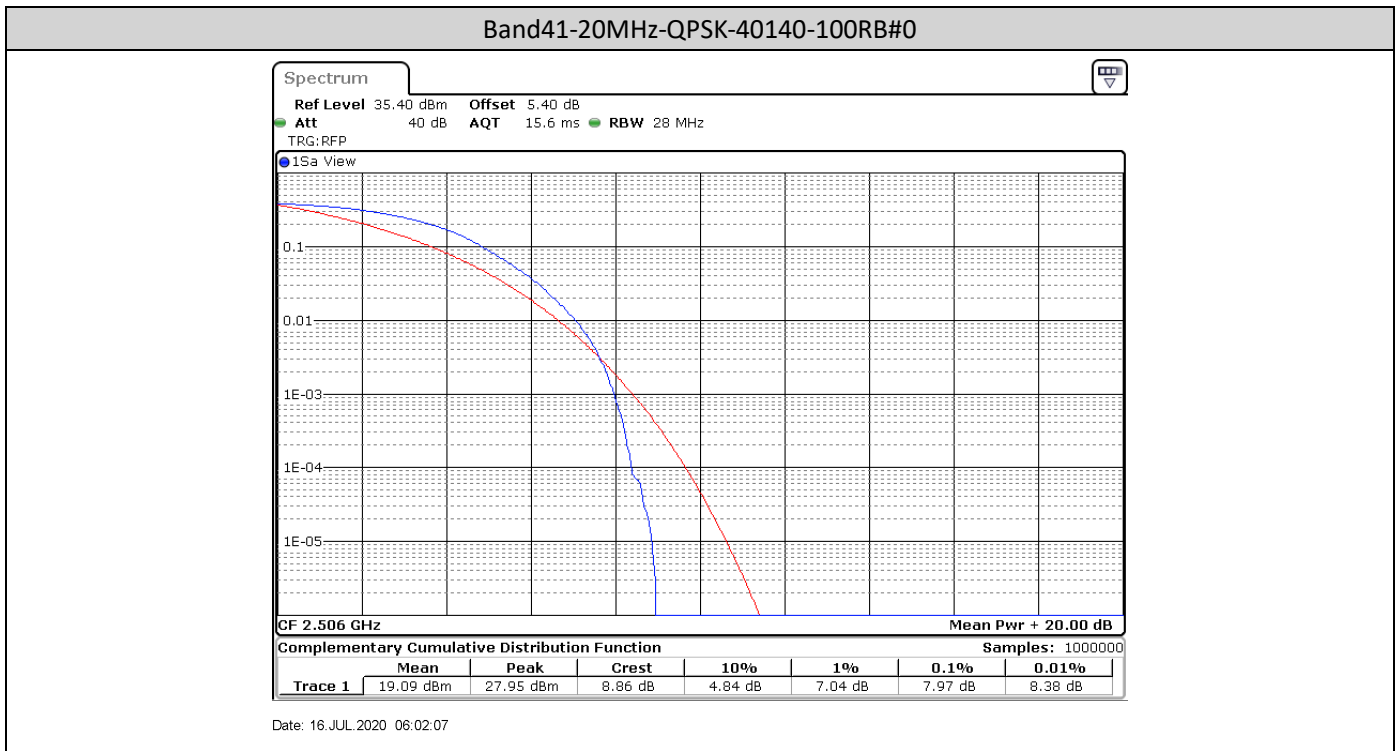


## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	40140	100RB#0	7.97	13	PASS
Band41	20MHz	QPSK	40640	100RB#0	8.46	13	PASS
Band41	20MHz	QPSK	41140	100RB#0	8.58	13	PASS
Band41	20MHz	64QAM	40140	100RB#0	8.58	13	PASS
Band41	20MHz	64QAM	40640	100RB#0	9.57	13	PASS
Band41	20MHz	64QAM	41140	100RB#0	9.45	13	PASS
Band41	20MHz	16QAM	40140	100RB#0	8.99	13	PASS
Band41	20MHz	16QAM	40640	100RB#0	9.22	13	PASS
Band41	20MHz	16QAM	41140	100RB#0	9.01	13	PASS

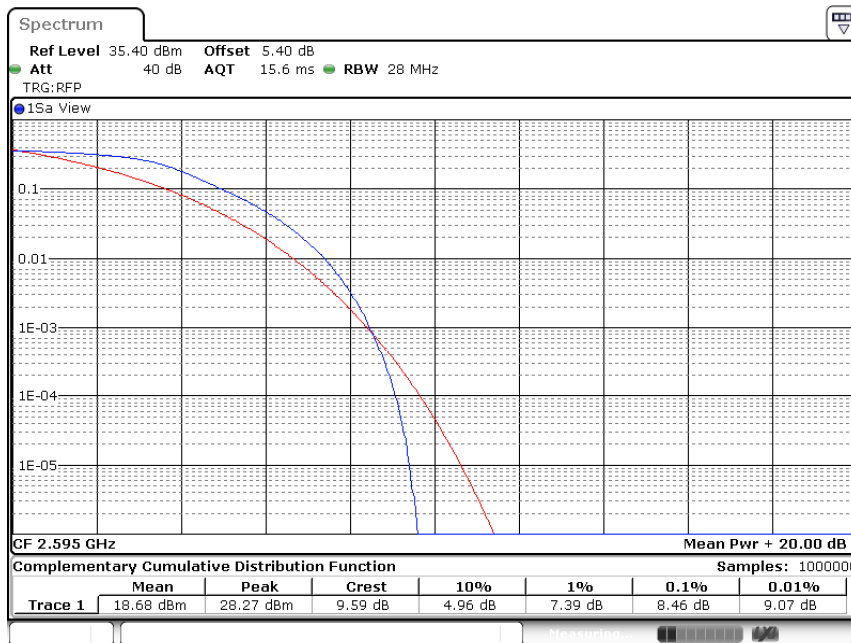
### 2.2. Test Plots



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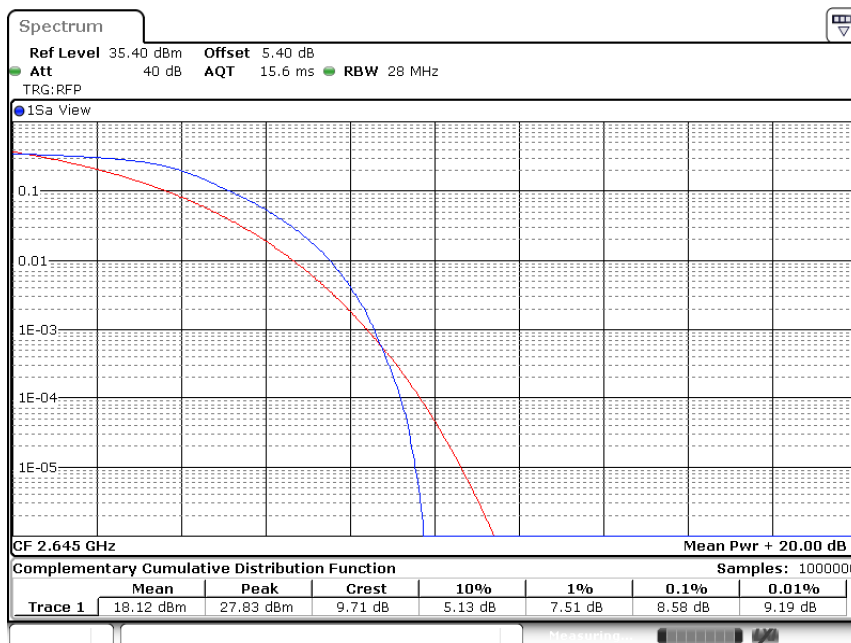
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**Band41-20MHz-QPSK-40640-100RB#0**



Date: 15.AUG.2020 01:24:01

**Band41-20MHz-QPSK-41140-100RB#0**

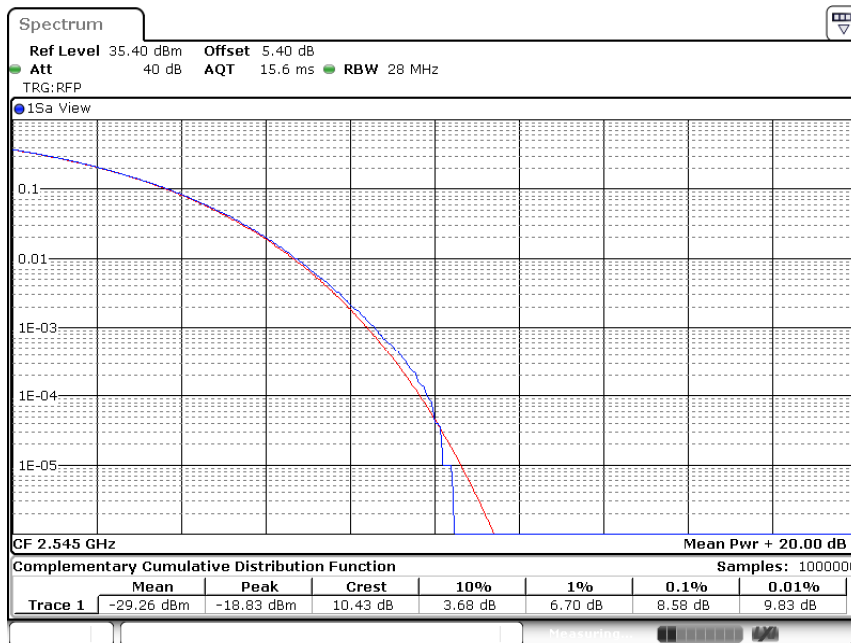


Date: 15.AUG.2020 01:24:24



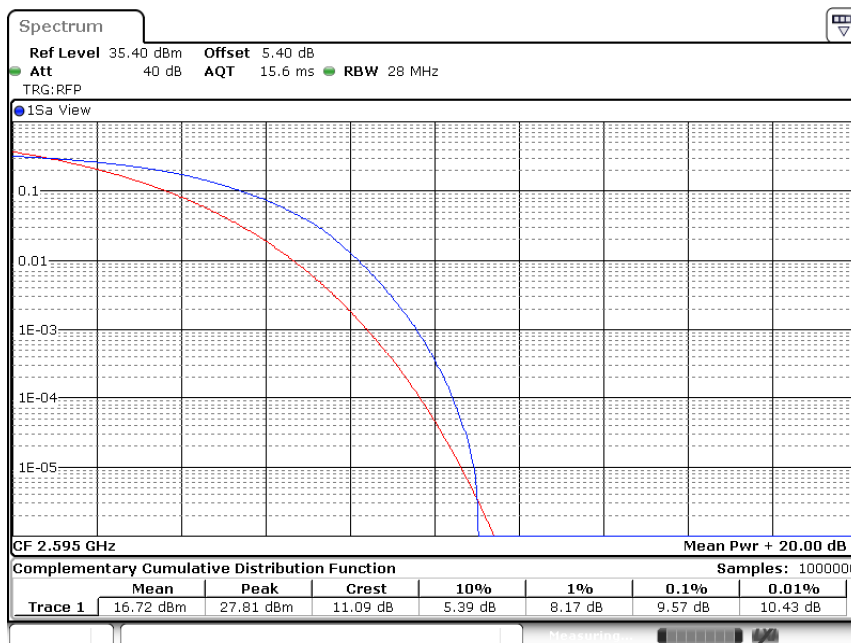
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**Band41-20MHz-64QAM-40140-100RB#0**



Date: 15.AUG.2020 03:11:09

**Band41-20MHz-64QAM-40640-100RB#0**

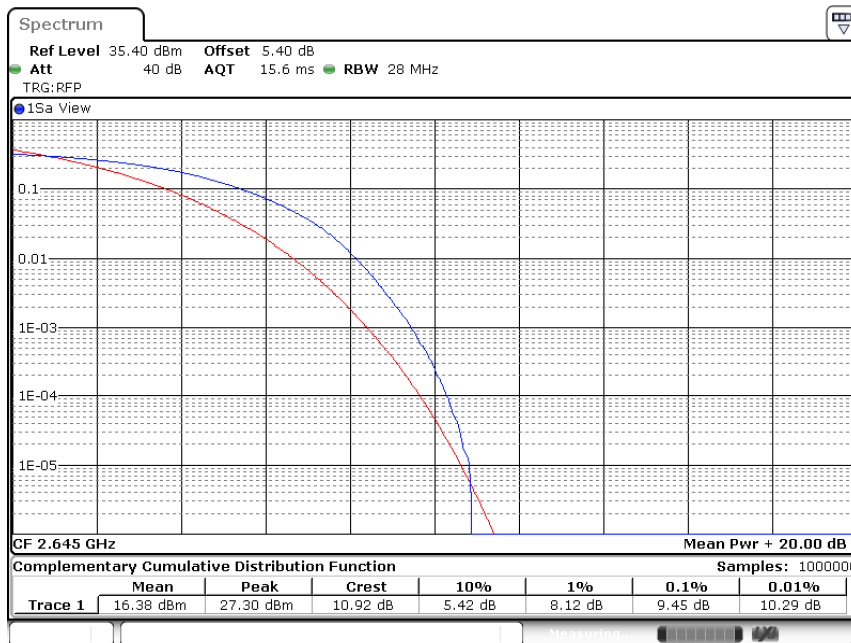


Date: 15.AUG.2020 03:11:21



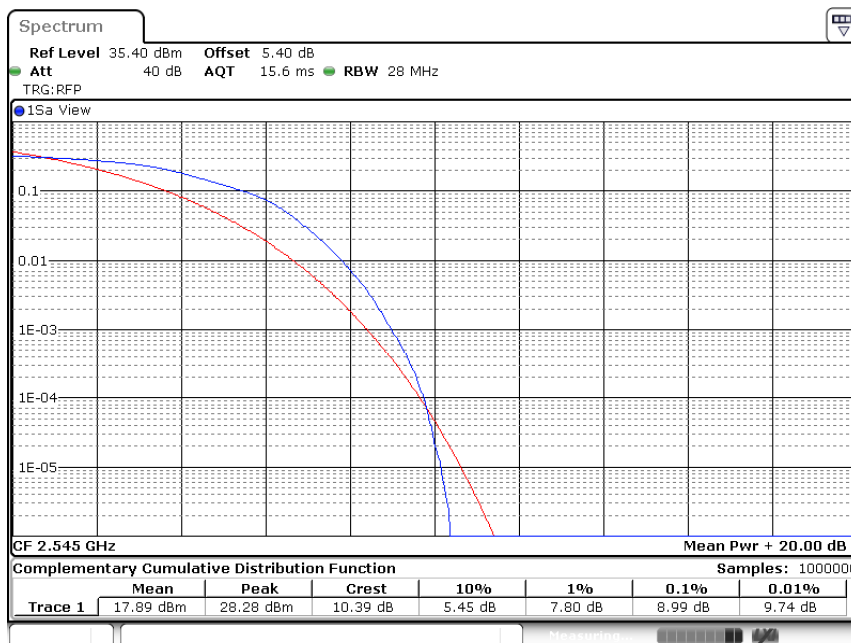
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**Band41-20MHz-64QAM-41140-100RB#0**



Date: 15.AUG.2020 03:11:32

**Band41-20MHz-16QAM-40140-100RB#0**



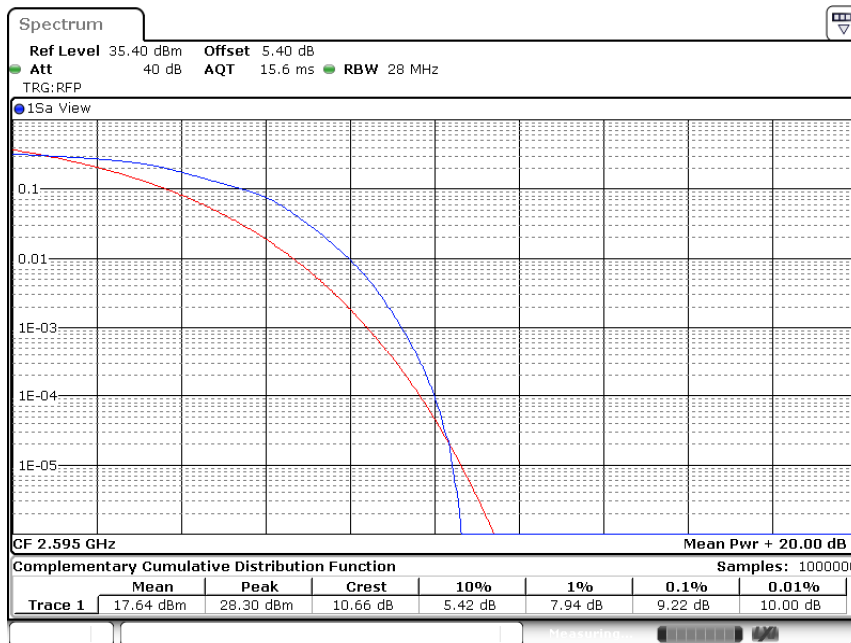
Date: 15.AUG.2020 01:23:49



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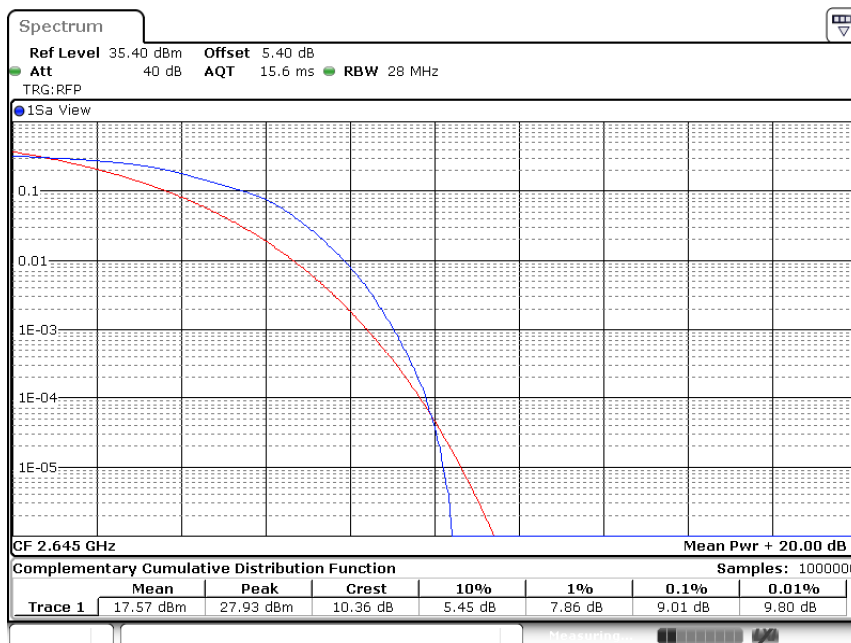
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**Band41-20MHz-16QAM-40640-100RB#0**



Date: 15.AUG.2020 01:24:12

**Band41-20MHz-16QAM-41140-100RB#0**



Date: 15.AUG.2020 01:24:36



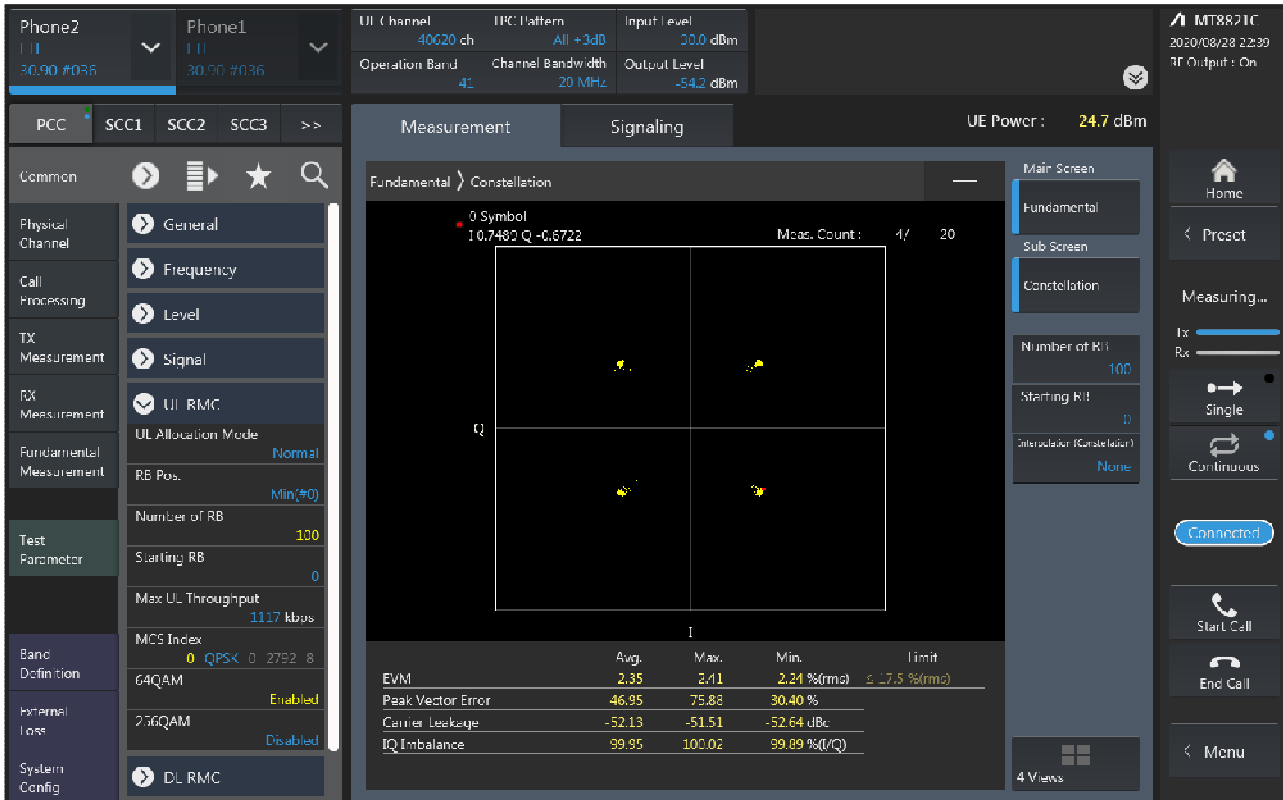
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### 3. Modulation Characteristics

#### 3.1. Test Mode = LTE /TM1 20MHz

##### 3.1.1. Test Channel = MCH



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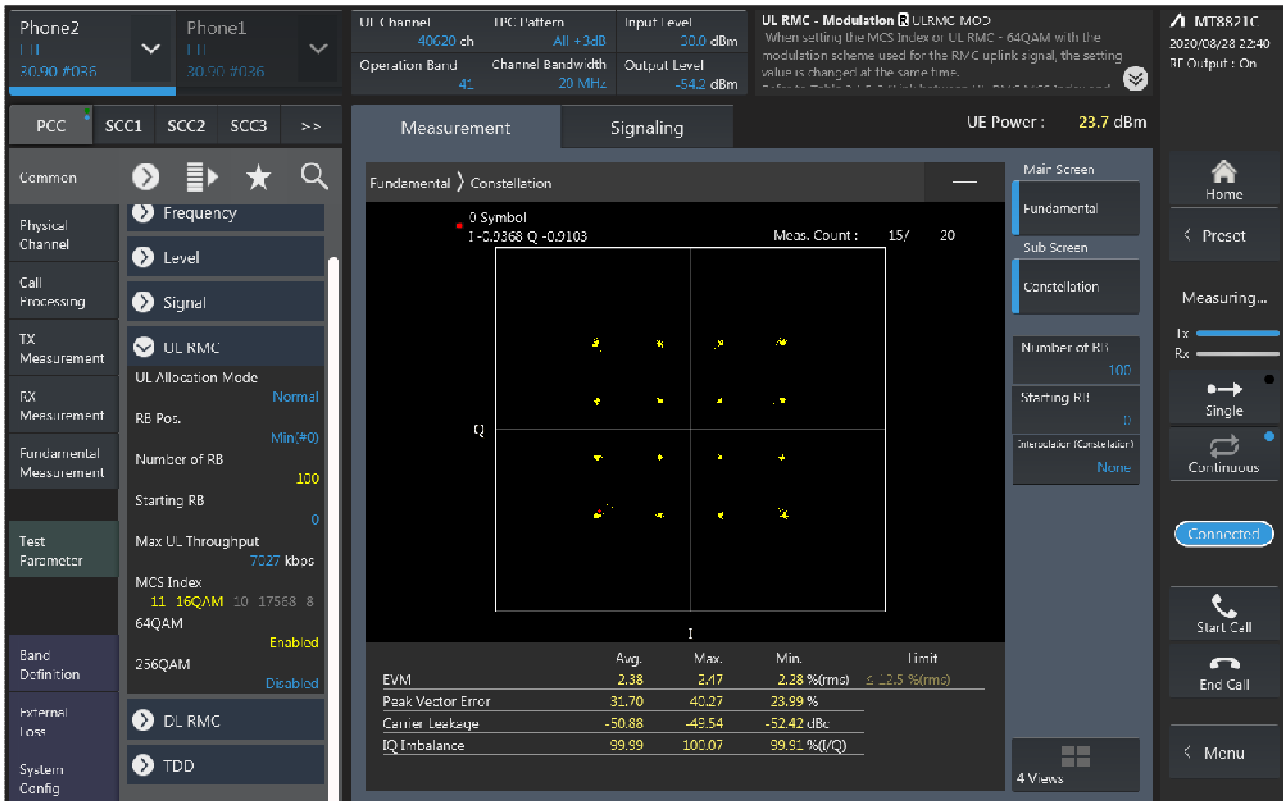
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### 3.2. Test Mode = LTE /TM2 20MHz

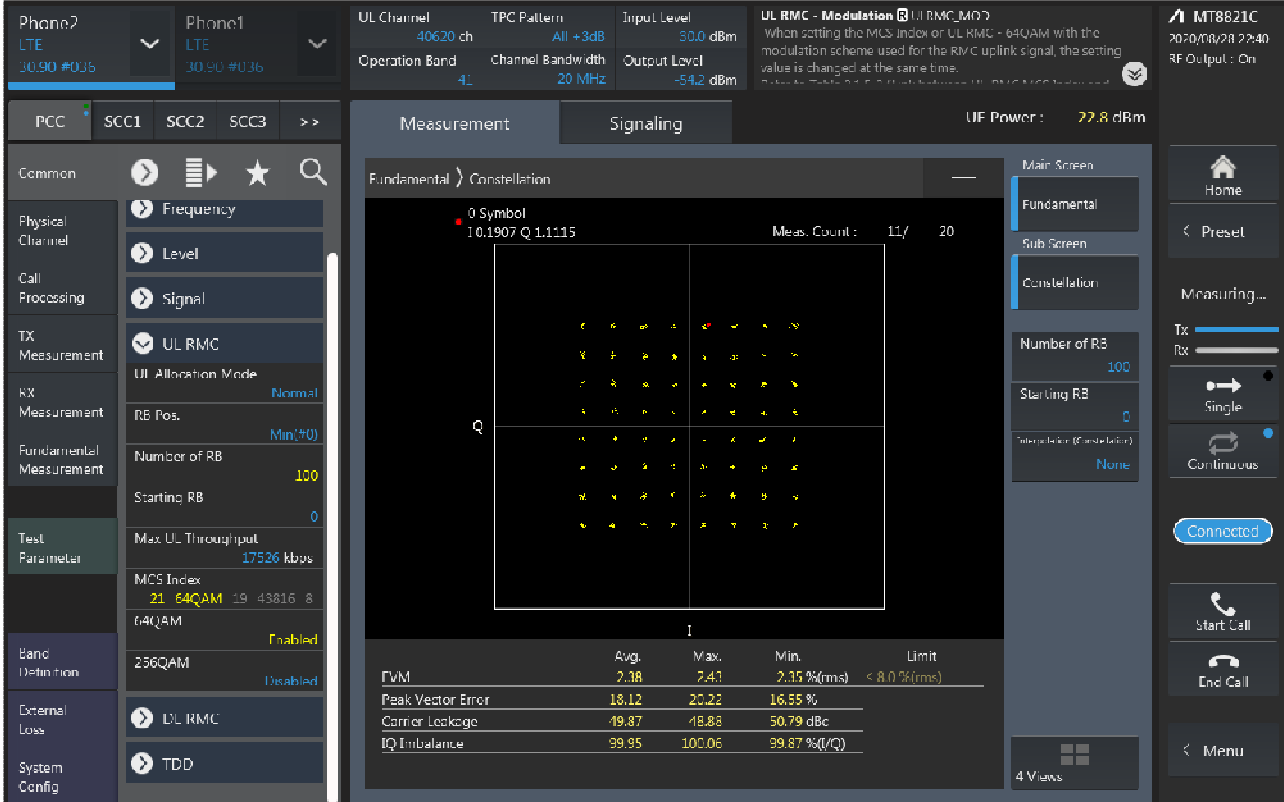
#### 3.2.1. Test Channel = MCH



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### 3.3. Test Mode = LTE /TM3 20MHz

#### 3.3.1. Test Channel = MCH



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## 4. 26dB Bandwidth and Occupied Bandwidth

### 4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	40065	25RB#0	4.476	5.130	PASS
Band41	5MHz	QPSK	40640	25RB#0	4.476	4.990	PASS
Band41	5MHz	QPSK	41215	25RB#0	4.476	4.880	PASS
Band41	5MHz	64QAM	40065	25RB#0	4.466	4.900	PASS
Band41	5MHz	64QAM	40640	25RB#0	4.466	4.890	PASS
Band41	5MHz	64QAM	41215	25RB#0	4.466	4.900	PASS
Band41	5MHz	16QAM	40065	25RB#0	4.496	4.970	PASS
Band41	5MHz	16QAM	40640	25RB#0	4.496	4.950	PASS
Band41	5MHz	16QAM	41215	25RB#0	4.496	4.970	PASS
Band41	10MHz	QPSK	40090	50RB#0	8.911	9.700	PASS
Band41	10MHz	QPSK	40640	50RB#0	8.911	9.700	PASS
Band41	10MHz	QPSK	41190	50RB#0	8.911	9.780	PASS
Band41	10MHz	64QAM	40090	50RB#0	8.911	9.800	PASS
Band41	10MHz	64QAM	40640	50RB#0	8.911	9.780	PASS
Band41	10MHz	64QAM	41190	50RB#0	8.911	9.780	PASS
Band41	10MHz	16QAM	40090	50RB#0	8.911	9.680	PASS
Band41	10MHz	16QAM	40640	50RB#0	8.911	9.660	PASS
Band41	10MHz	16QAM	41190	50RB#0	8.911	9.660	PASS
Band41	15MHz	QPSK	40115	75RB#0	13.487	16.200	PASS
Band41	15MHz	QPSK	40640	75RB#0	13.516	16.170	PASS
Band41	15MHz	QPSK	41165	75RB#0	13.516	16.260	PASS
Band41	15MHz	64QAM	40115	75RB#0	13.427	14.760	PASS
Band41	15MHz	64QAM	40640	75RB#0	13.487	14.820	PASS
Band41	15MHz	64QAM	41165	75RB#0	13.457	15.120	PASS
Band41	15MHz	16QAM	40115	75RB#0	13.487	15.030	PASS
Band41	15MHz	16QAM	40640	75RB#0	13.487	15.180	PASS
Band41	15MHz	16QAM	41165	75RB#0	13.457	15.480	PASS
Band41	20MHz	QPSK	40140	100RB#0	17.942	19.600	PASS
Band41	20MHz	QPSK	40640	100RB#0	17.942	19.800	PASS
Band41	20MHz	QPSK	41140	100RB#0	17.902	19.560	PASS
Band41	20MHz	64QAM	40140	100RB#0	17.862	19.800	PASS



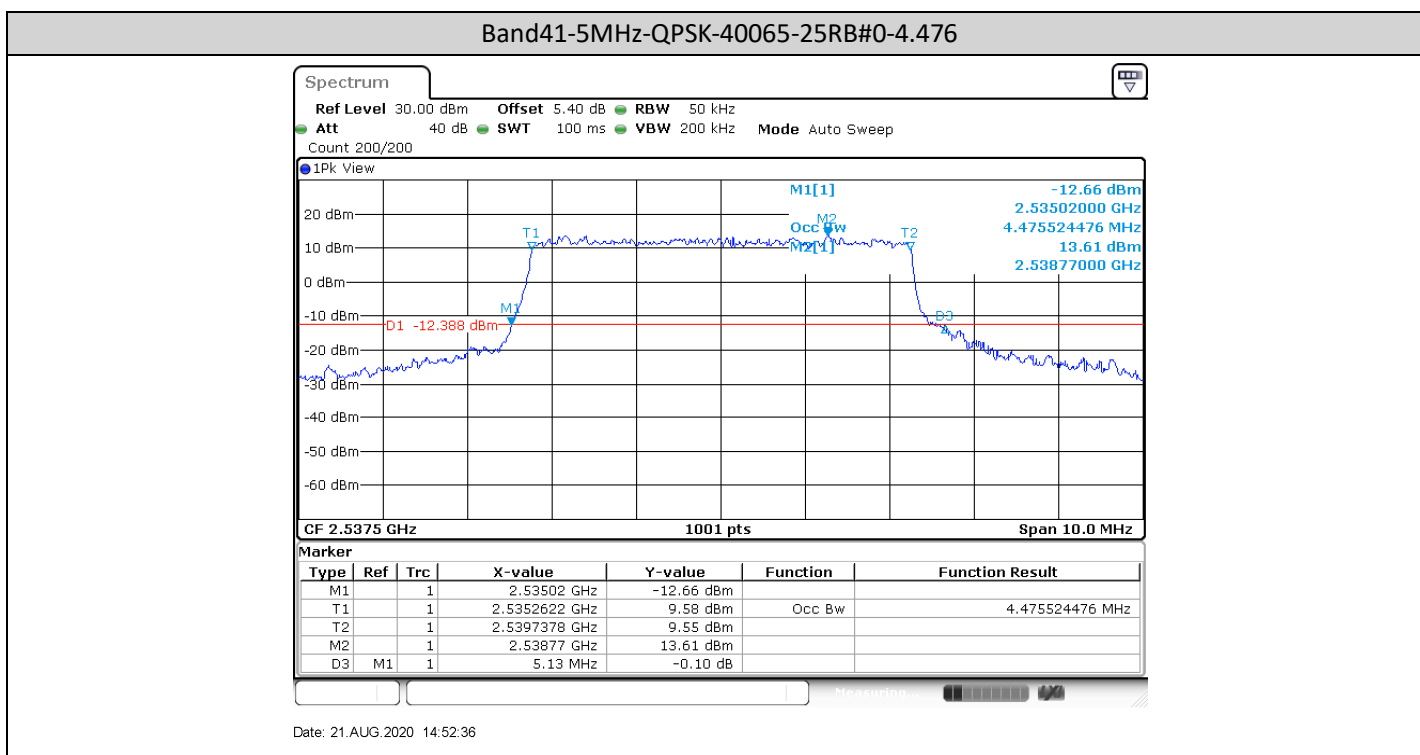
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Band41	20MHz	64QAM	40640	100RB#0	17.862	19.800	PASS
Band41	20MHz	64QAM	41140	100RB#0	17.902	19.720	PASS
Band41	20MHz	16QAM	40140	100RB#0	17.862	19.960	PASS
Band41	20MHz	16QAM	40640	100RB#0	17.902	20.160	PASS
Band41	20MHz	16QAM	41140	100RB#0	17.902	20.080	PASS

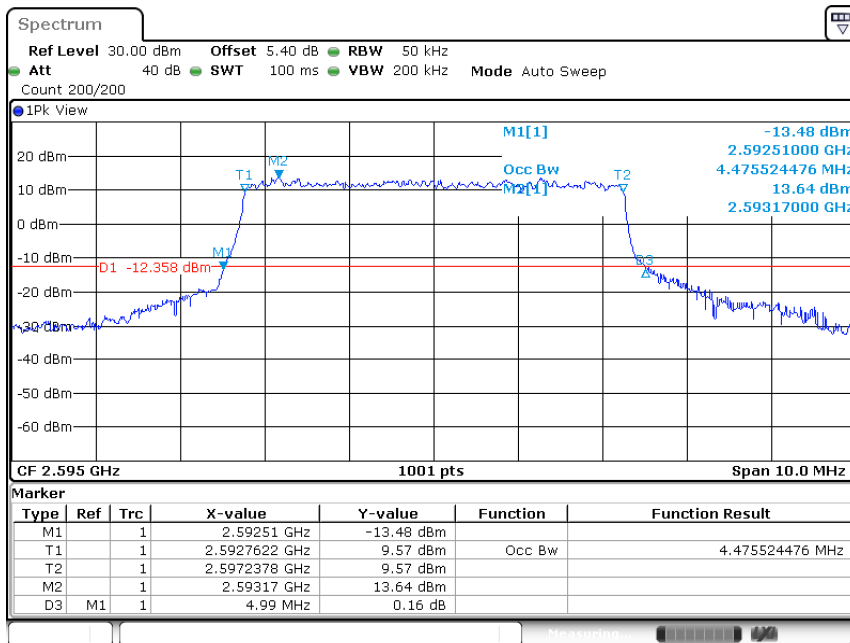
## 4.2. Test Plots



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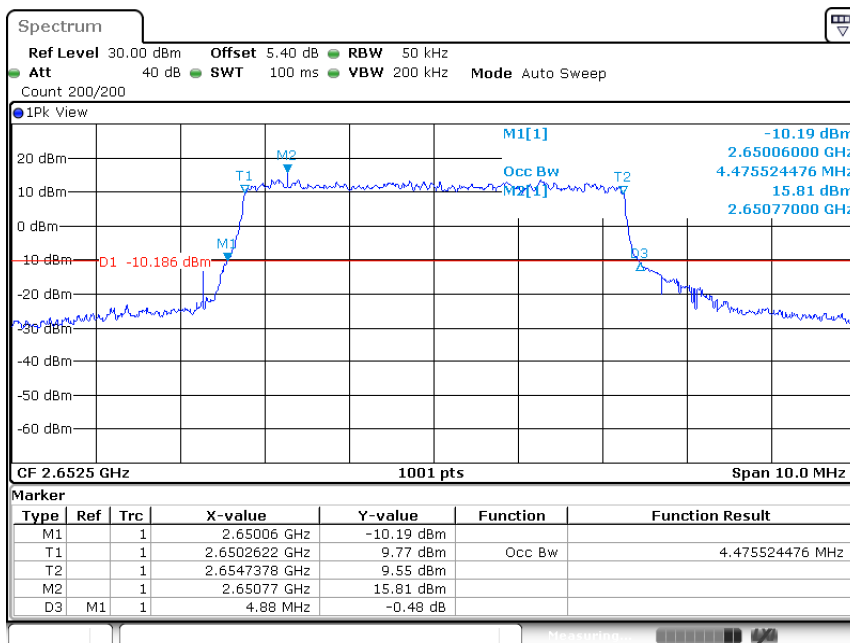
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**Band41-5MHz-QPSK-40640-25RB#0-4.476**



Date: 21.AUG.2020 14:54:02

**Band41-5MHz-QPSK-41215-25RB#0-4.476**

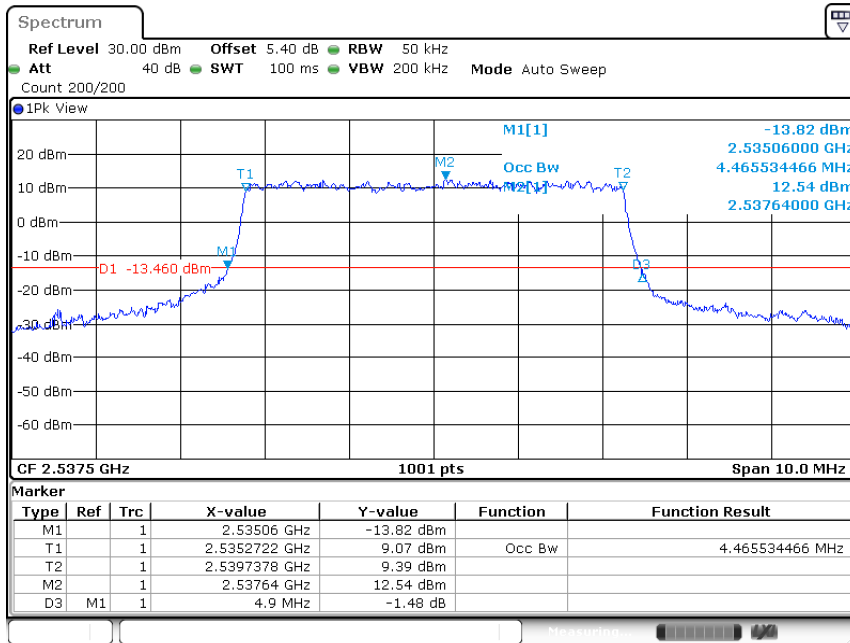


Date: 21.AUG.2020 14:55:08

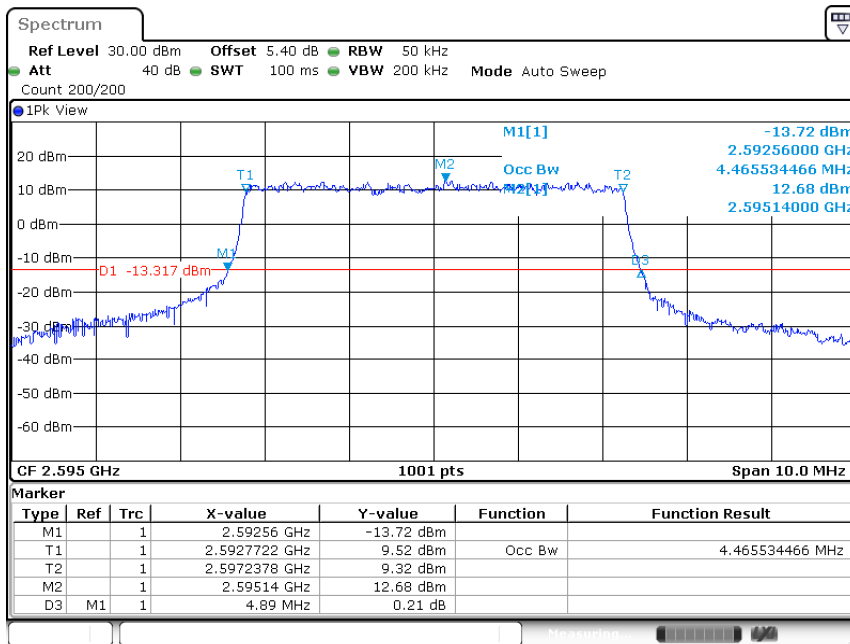


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**Band41-5MHz-64QAM-40065-25RB#0-4.466**

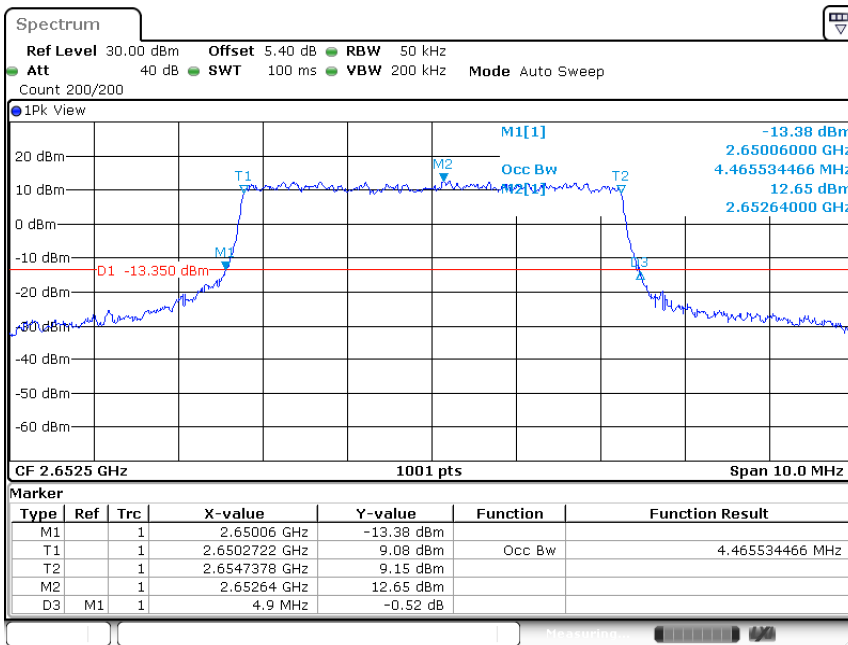


**Band41-5MHz-64QAM-40640-25RB#0-4.466**



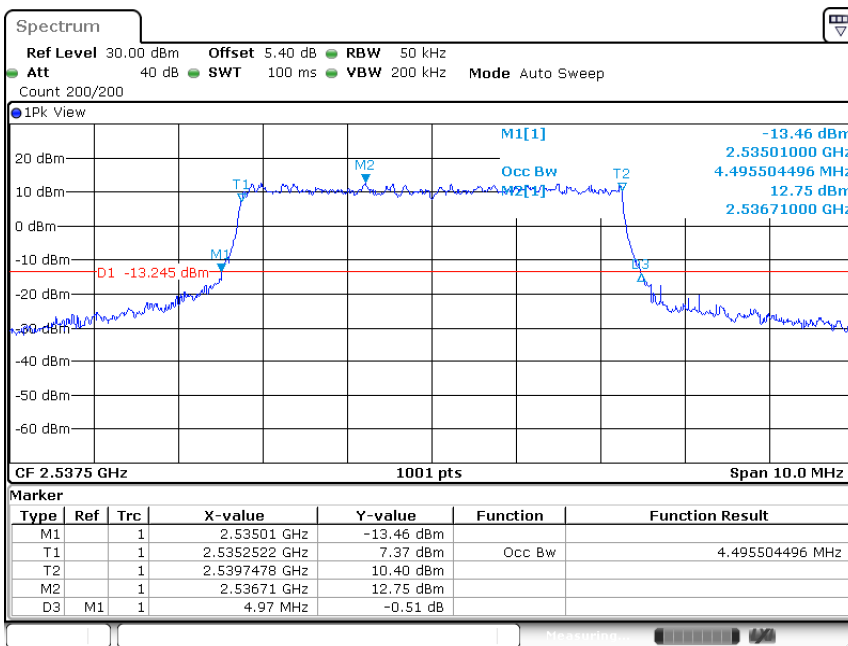
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**Band41-5MHz-64QAM-41215-25RB#0-4.466**



Date: 21.AUG.2020 15:08:09

**Band41-5MHz-16QAM-40065-25RB#0-4.496**

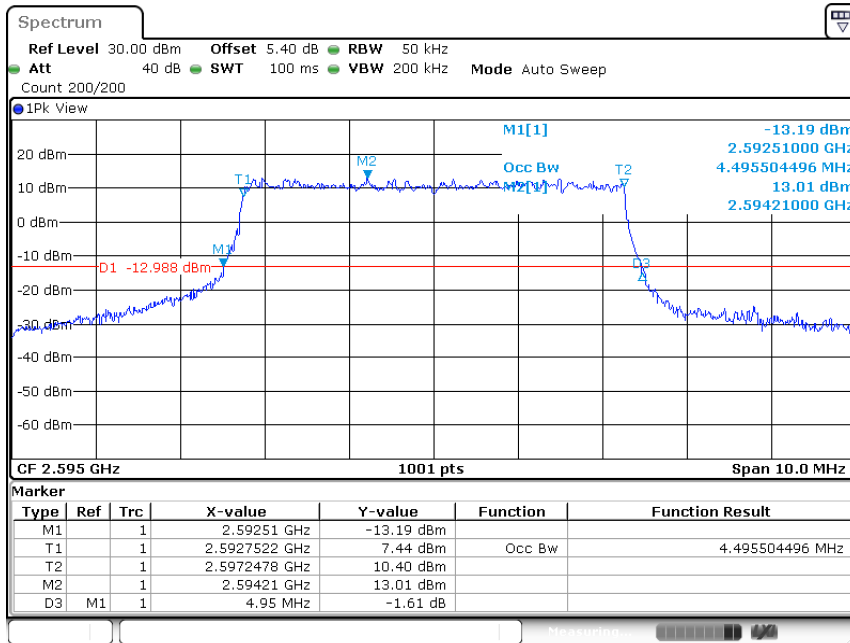


Date: 21.AUG.2020 14:53:09



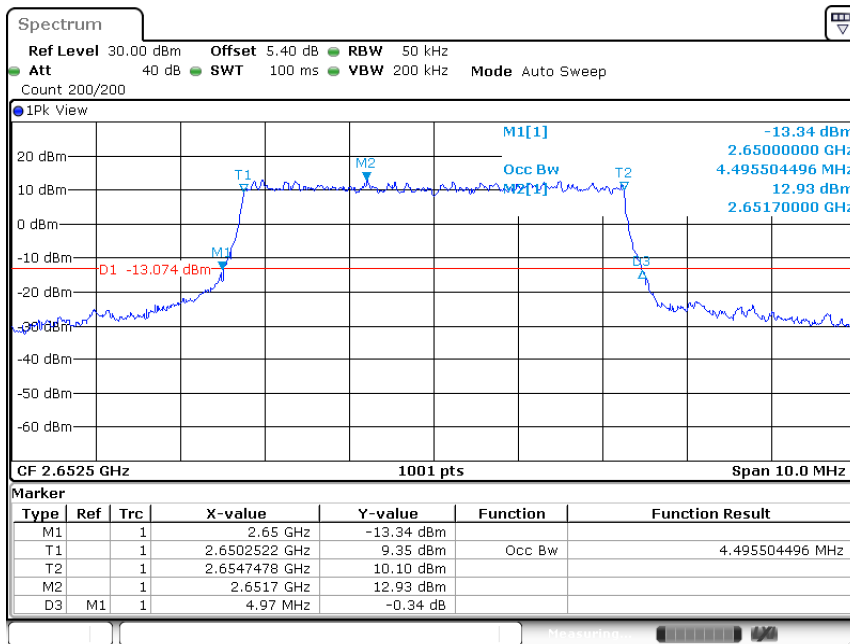
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**Band41-5MHz-16QAM-40640-25RB#0-4.496**



Date: 21.AUG.2020 14:54:35

**Band41-5MHz-16QAM-41215-25RB#0-4.496**



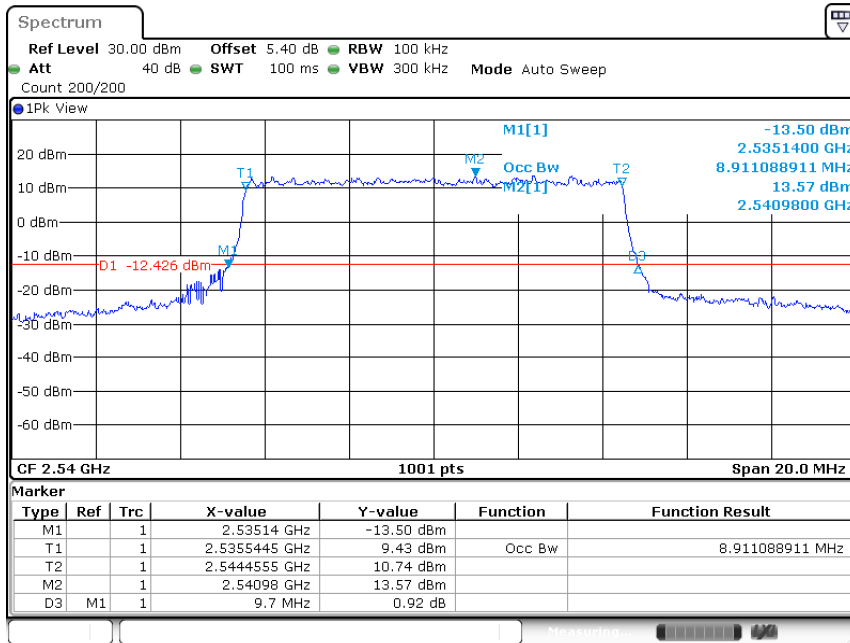
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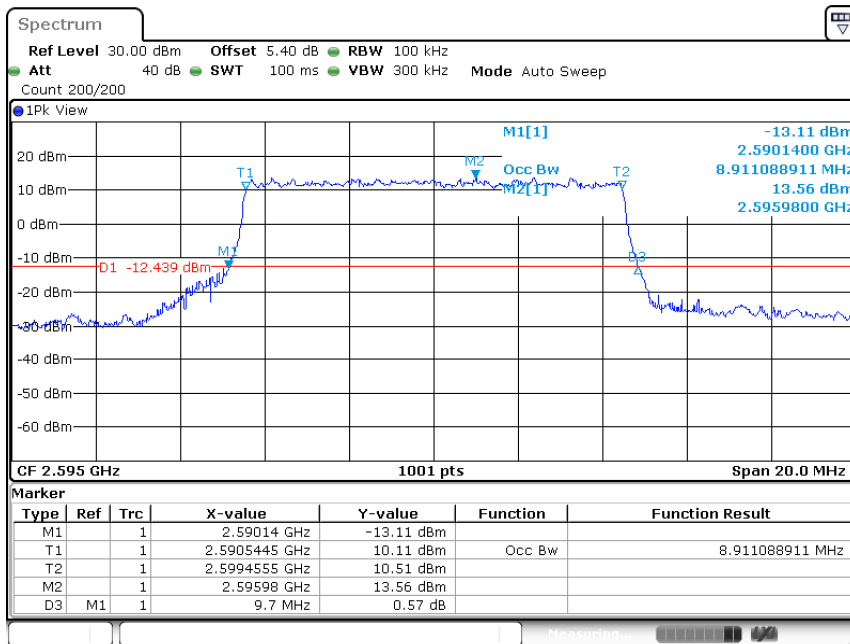
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**Band41-10MHz-QPSK-40090-50RB#0-8.911**



**Band41-10MHz-QPSK-40640-50RB#0-8.911**

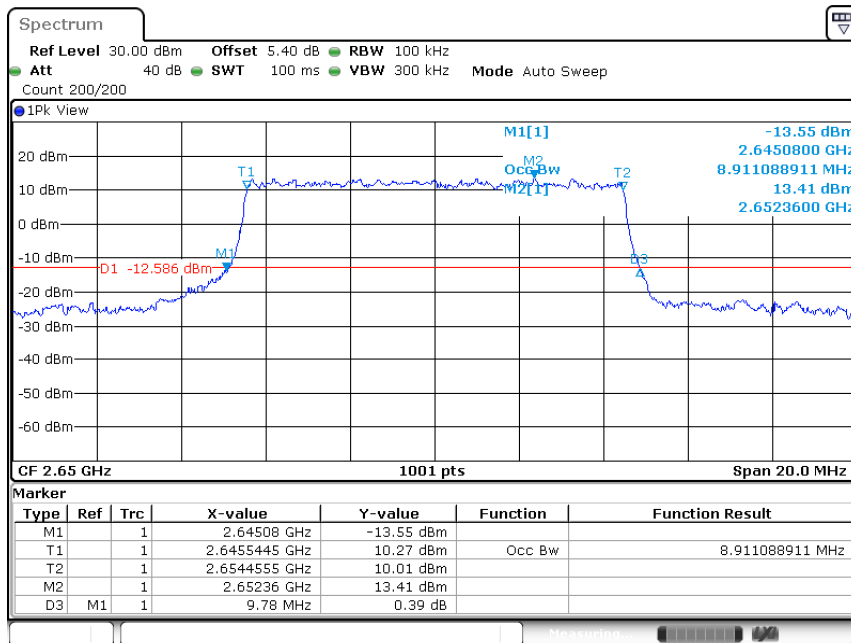


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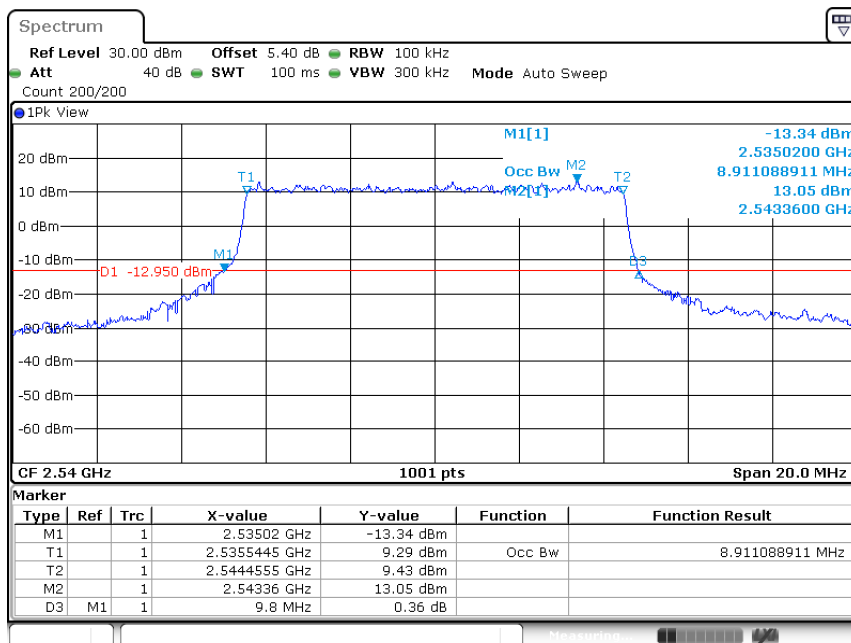
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 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

**Band41-10MHz-QPSK-41190-50RB#0-8.911**



Date: 21.AUG.2020 14:58:30

**Band41-10MHz-64QAM-40090-50RB#0-8.911**

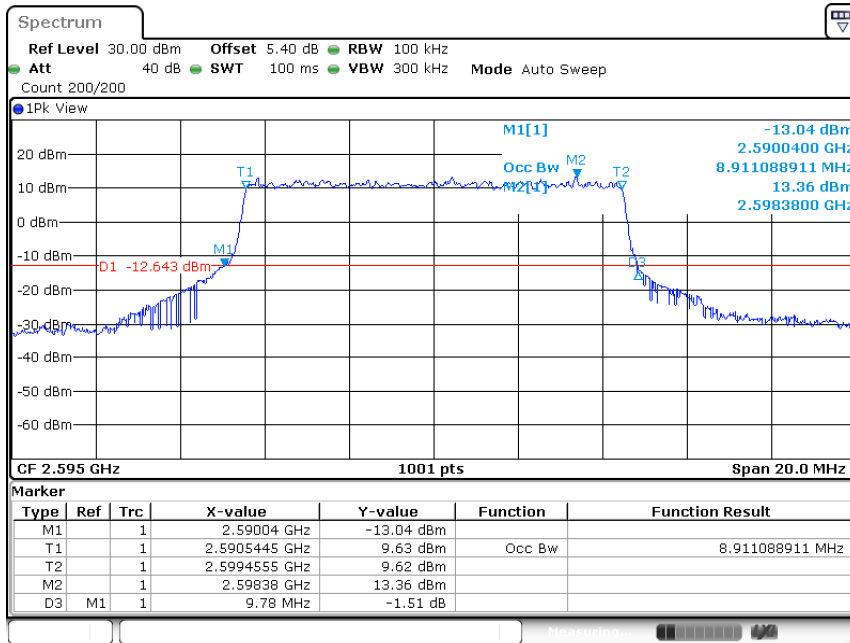


Date: 21.AUG.2020 15:14:31



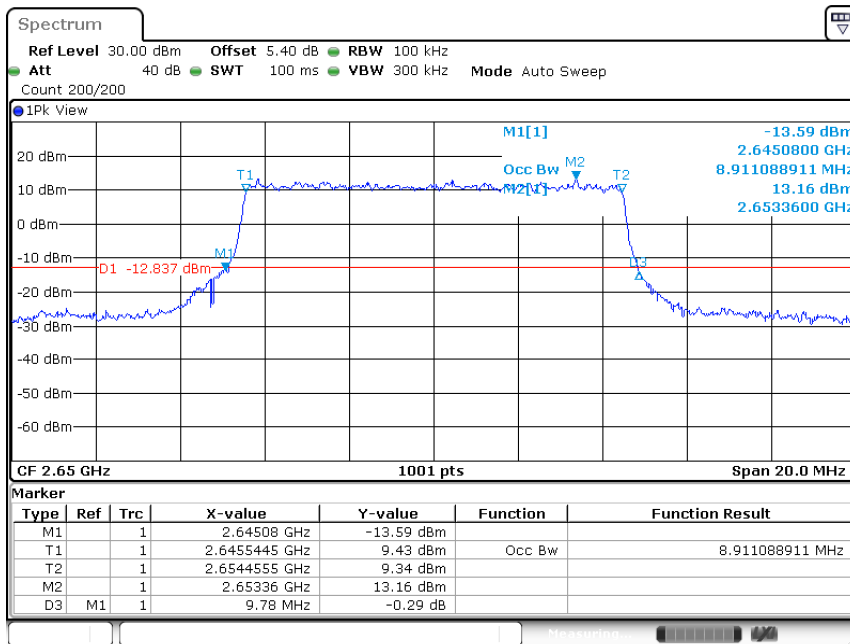
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**Band41-10MHz-64QAM-40640-50RB#0-8.911**



Date: 21.AUG.2020 15:09:20

**Band41-10MHz-64QAM-41190-50RB#0-8.911**

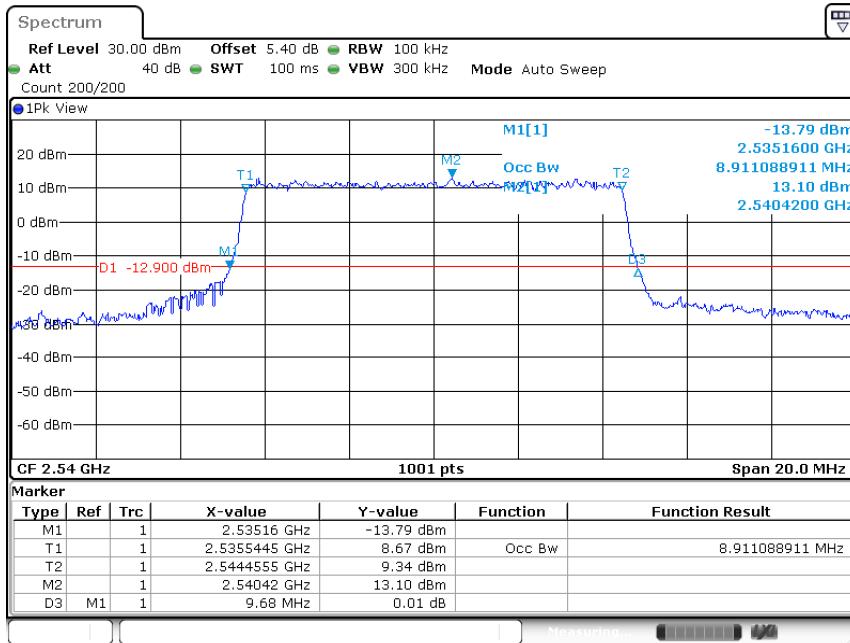


Date: 21.AUG.2020 15:09:53



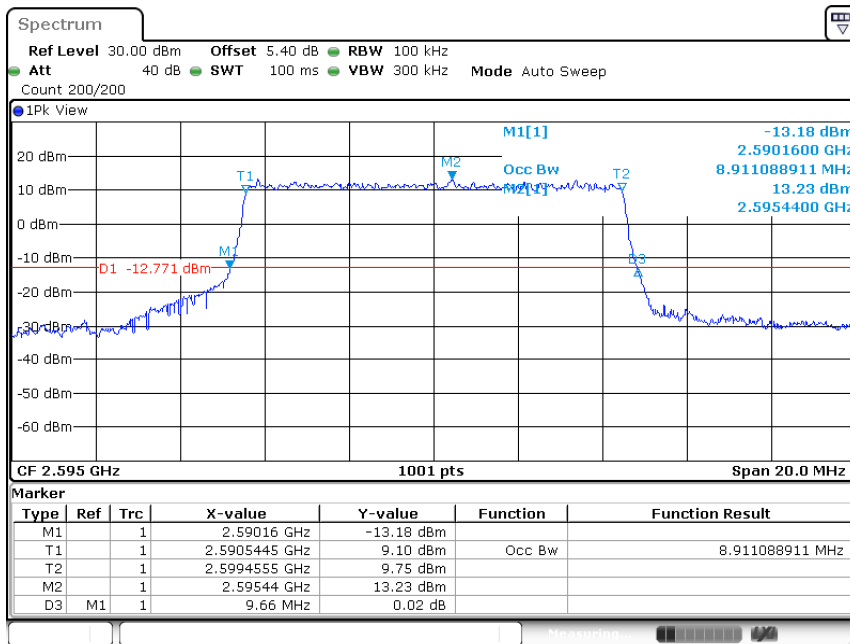
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**Band41-10MHz-16QAM-40090-50RB#0-8.911**



Date: 21.AUG.2020 14:56:51

**Band41-10MHz-16QAM-40640-50RB#0-8.911**

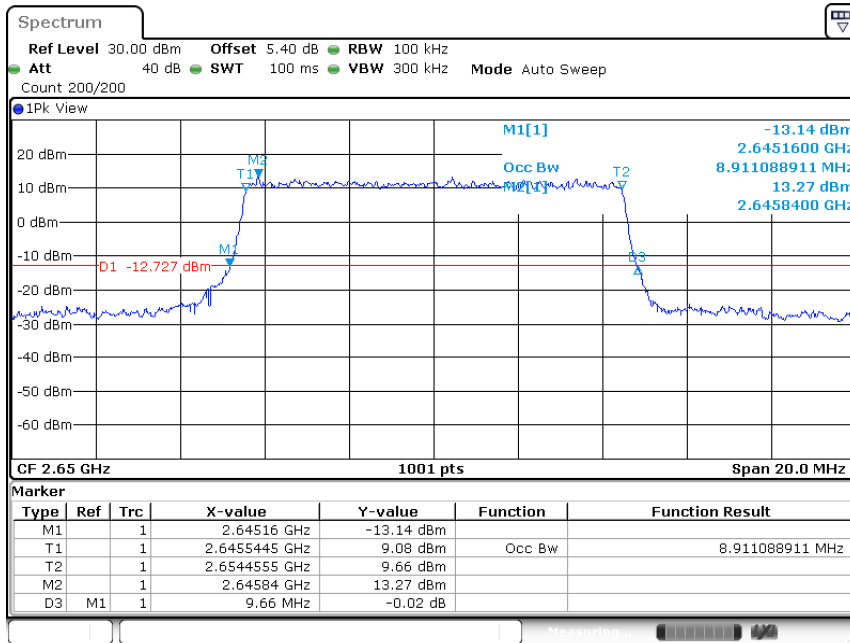


Date: 21.AUG.2020 14:57:57



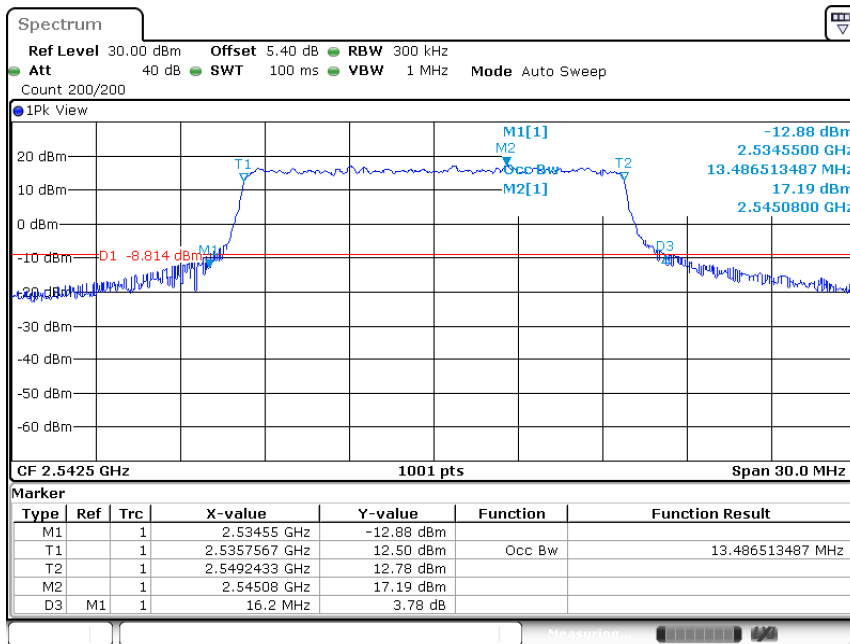
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**Band41-10MHz-16QAM-41190-50RB#0-8.911**



Date: 21.AUG.2020 14:59:03

**Band41-15MHz-QPSK-40115-75RB#0-13.487**



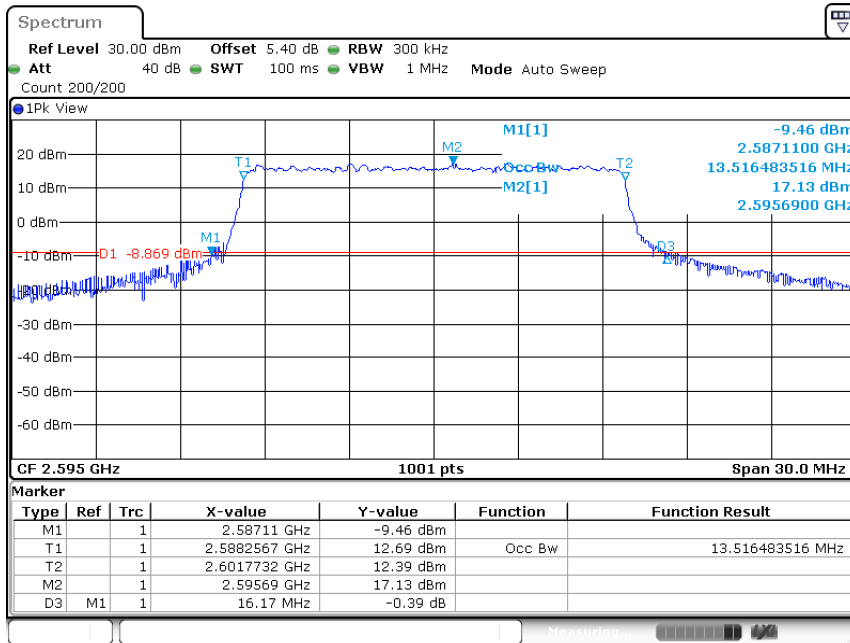
Date: 21.AUG.2020 14:59:40



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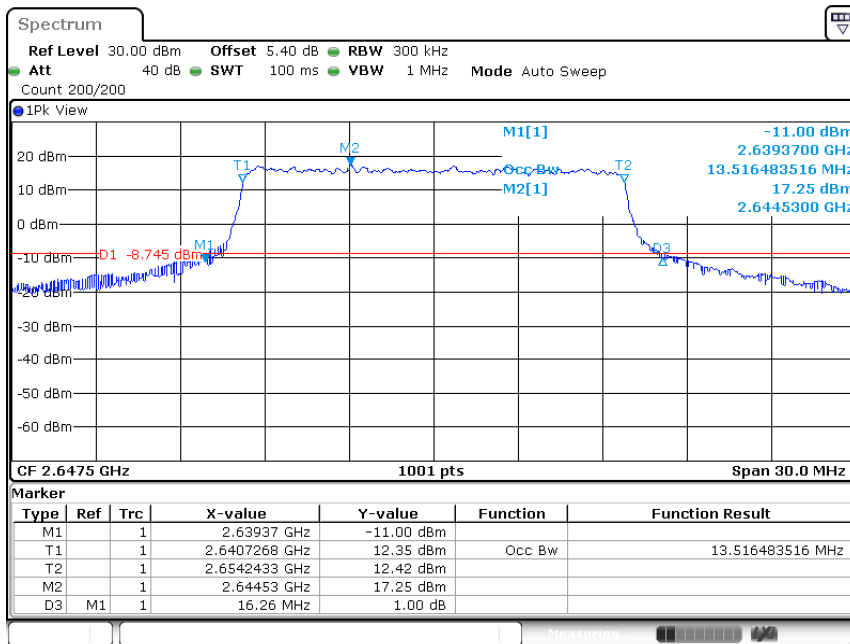
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**Band41-15MHz-QPSK-40640-75RB#0-13.516**



Date: 21.AUG.2020 15:00:52

**Band41-15MHz-QPSK-41165-75RB#0-13.516**

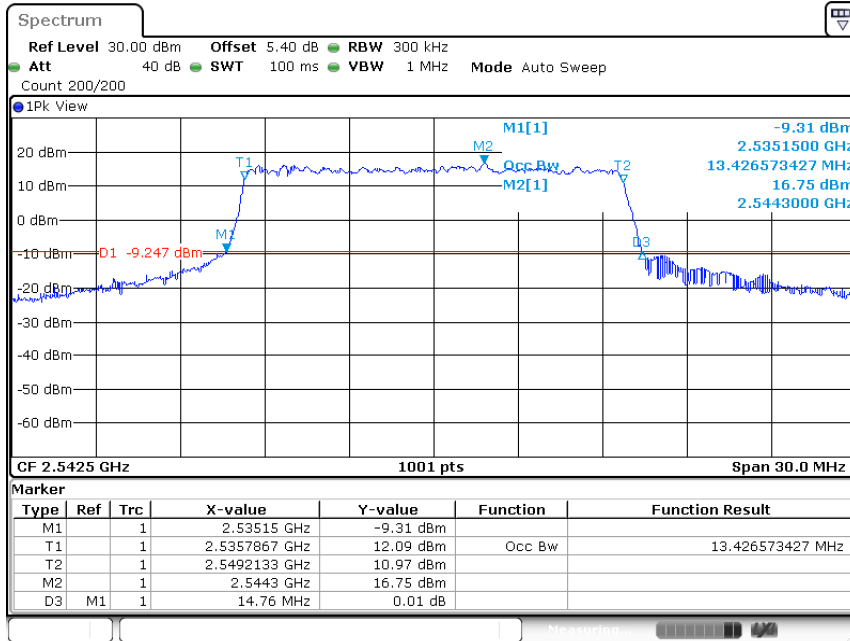


Date: 21.AUG.2020 15:02:18



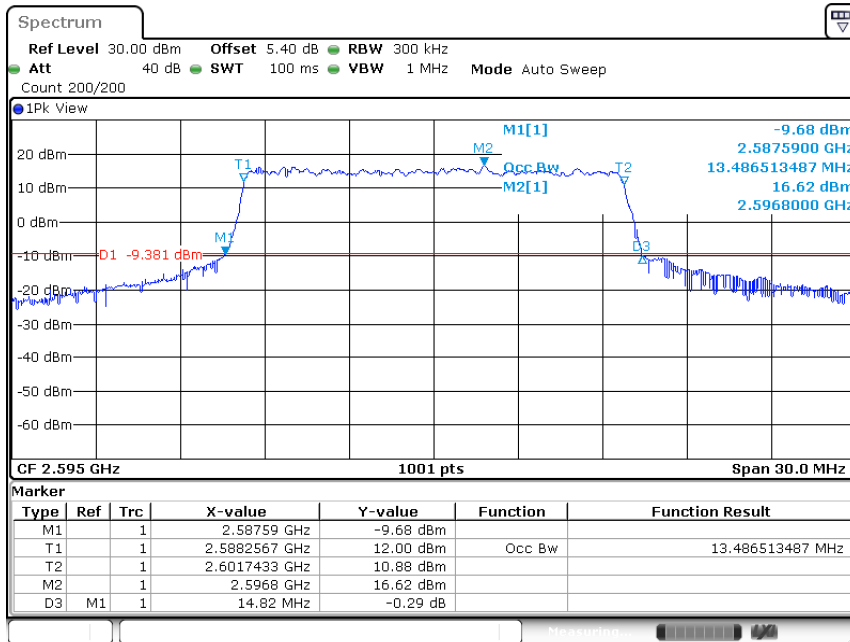
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**Band41-15MHz-64QAM-40115-75RB#0-13.427**



Date: 21.AUG.2020 15:10:31

**Band41-15MHz-64QAM-40640-75RB#0-13.487**

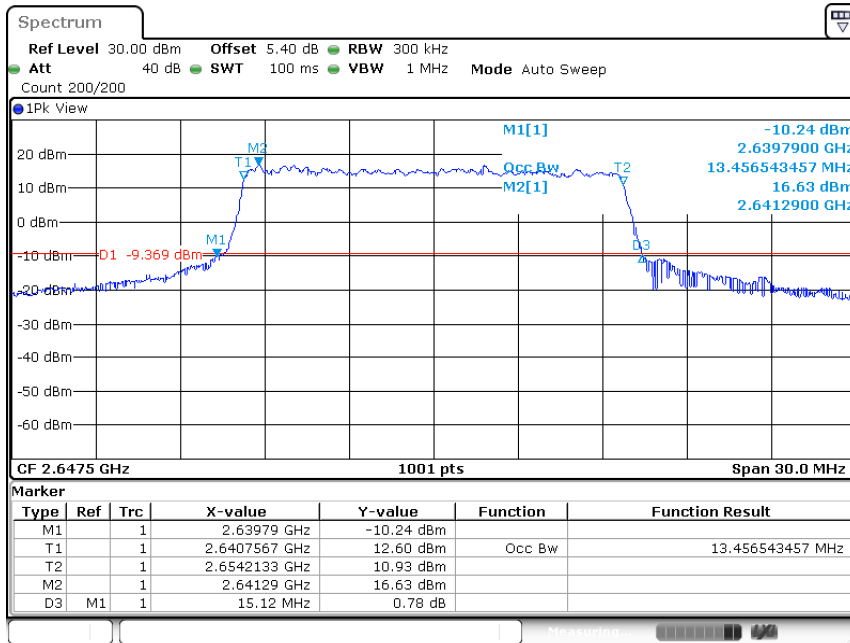


Date: 21.AUG.2020 15:11:06



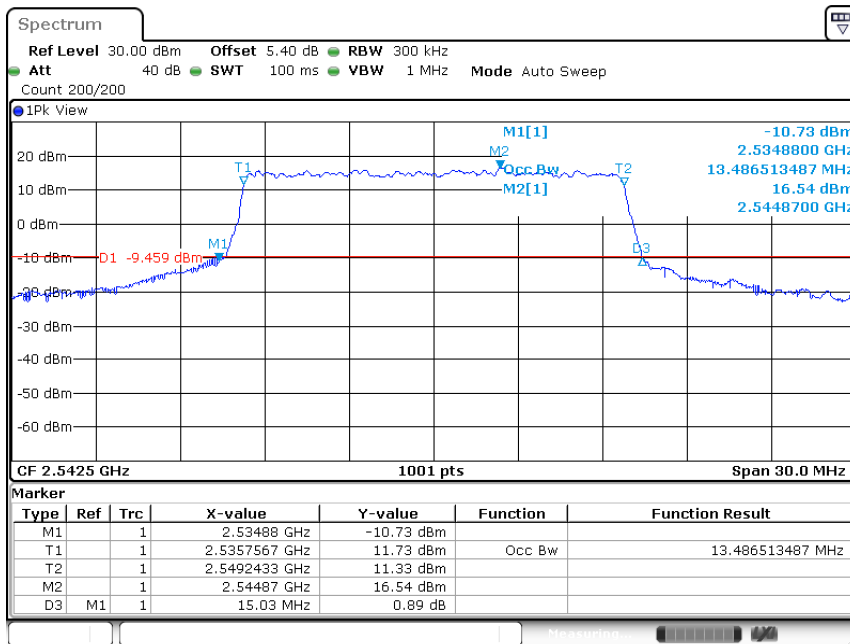
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**Band41-15MHz-64QAM-41165-75RB#0-13.457**



Date: 21.AUG.2020 15:11:39

**Band41-15MHz-16QAM-40115-75RB#0-13.487**



Date: 21.AUG.2020 15:00:19



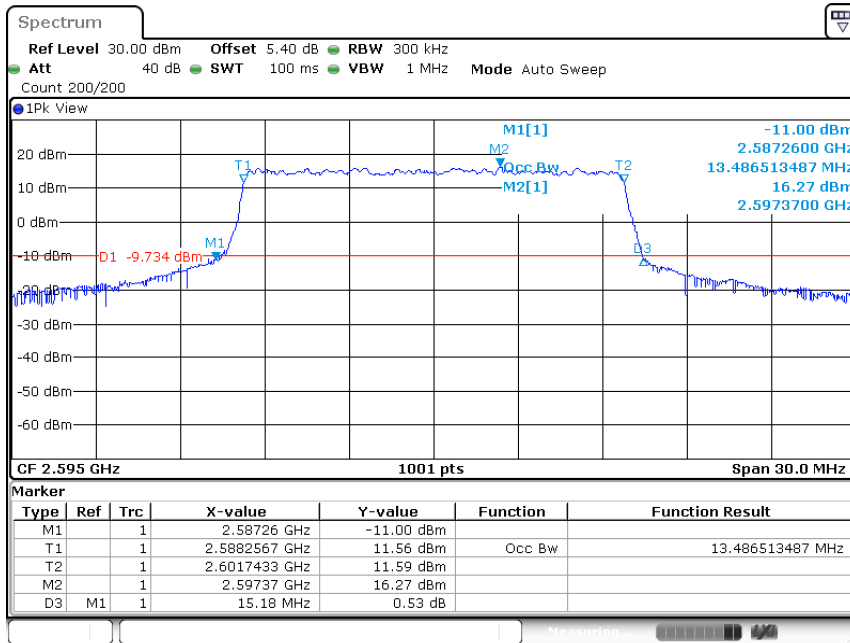
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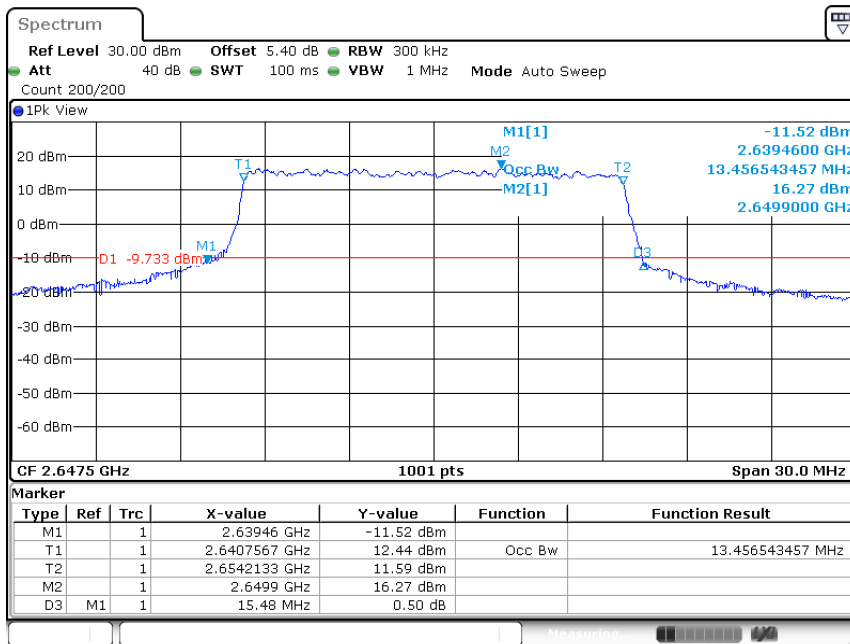


**Band41-15MHz-16QAM-40640-75RB#0-13.487**



Date: 21.AUG.2020 15:01:24

**Band41-15MHz-16QAM-41165-75RB#0-13.457**

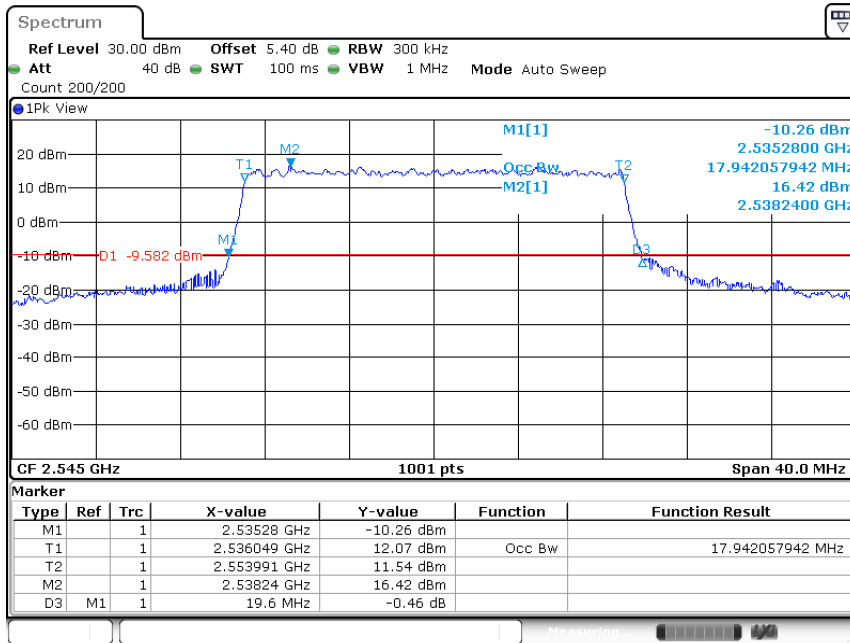


Date: 21.AUG.2020 15:03:01



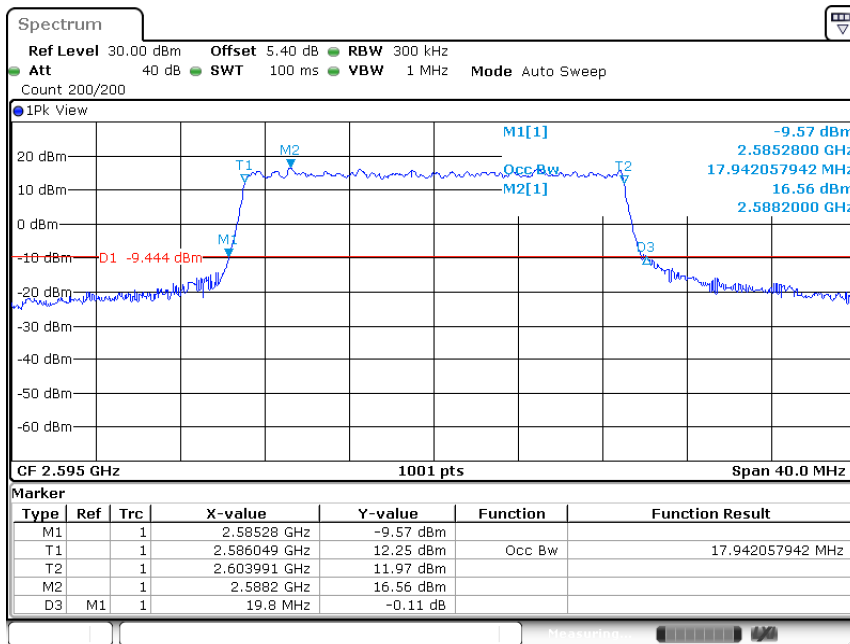
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**Band41-20MHz-QPSK-40140-100RB#0-17.942**



Date: 21.AUG.2020 15:03:39

**Band41-20MHz-QPSK-40640-100RB#0-17.942**

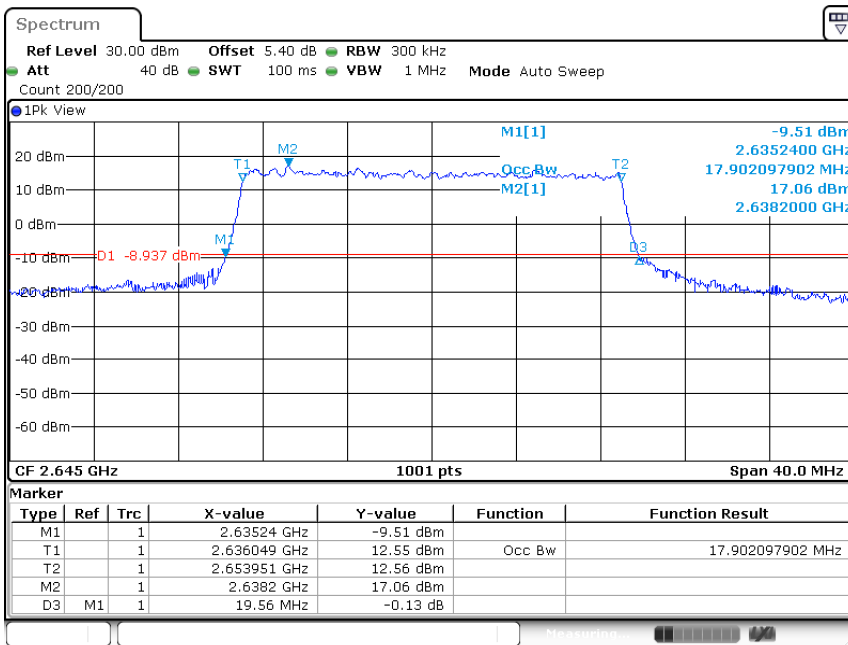


Date: 21.AUG.2020 15:04:47



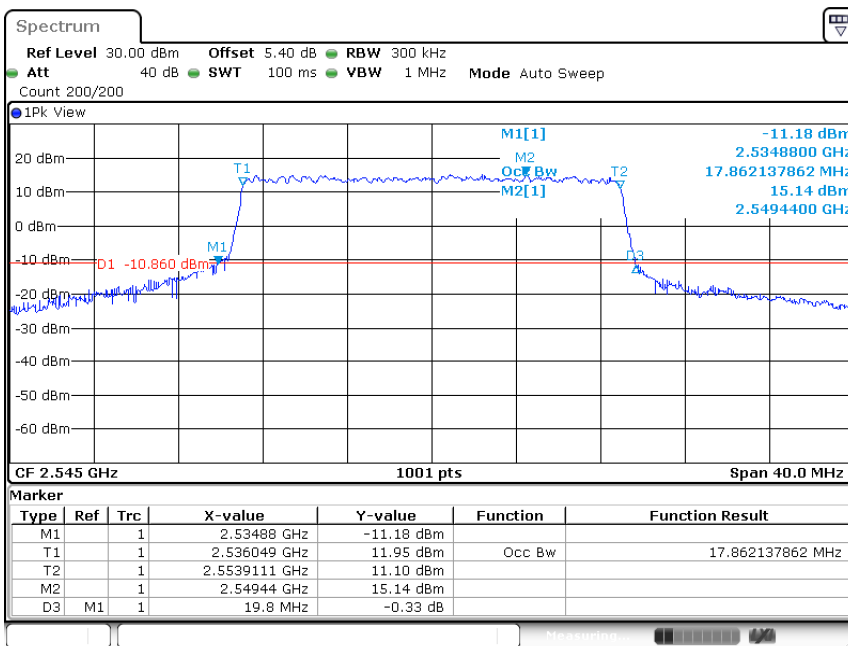
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**Band41-20MHz-QPSK-41140-100RB#0-17.902**



Date: 21.AUG.2020 15:05:53

**Band41-20MHz-64QAM-40140-100RB#0-17.862**

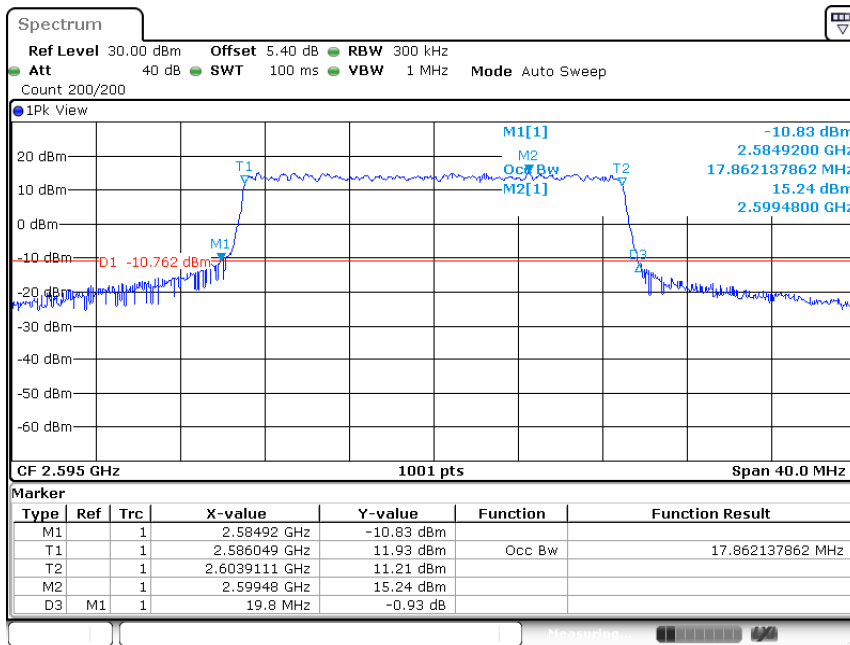


Date: 21.AUG.2020 15:12:17



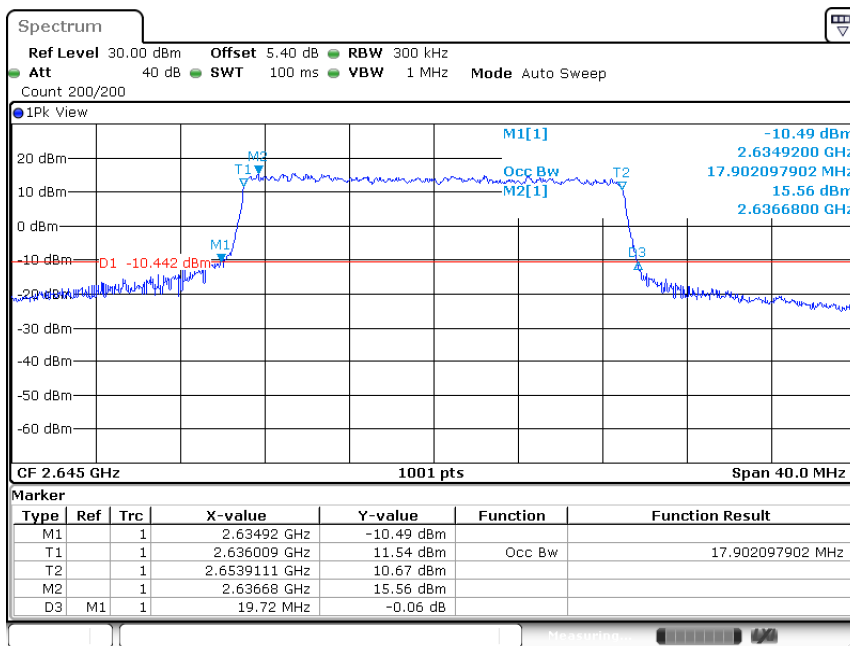
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**Band41-20MHz-64QAM-40640-100RB#0-17.862**



Date: 21.AUG.2020 15:12:49

**Band41-20MHz-64QAM-41140-100RB#0-17.902**

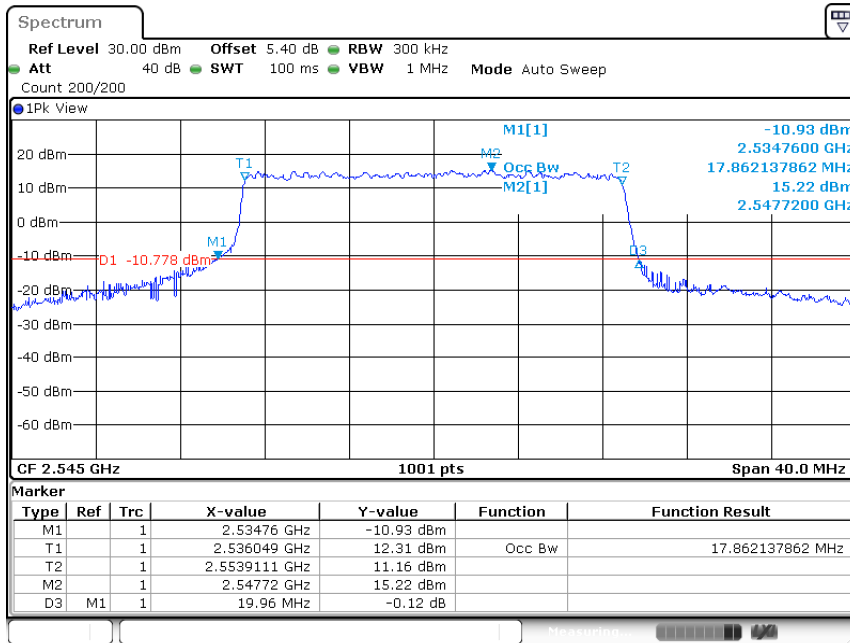


Date: 21.AUG.2020 15:13:23



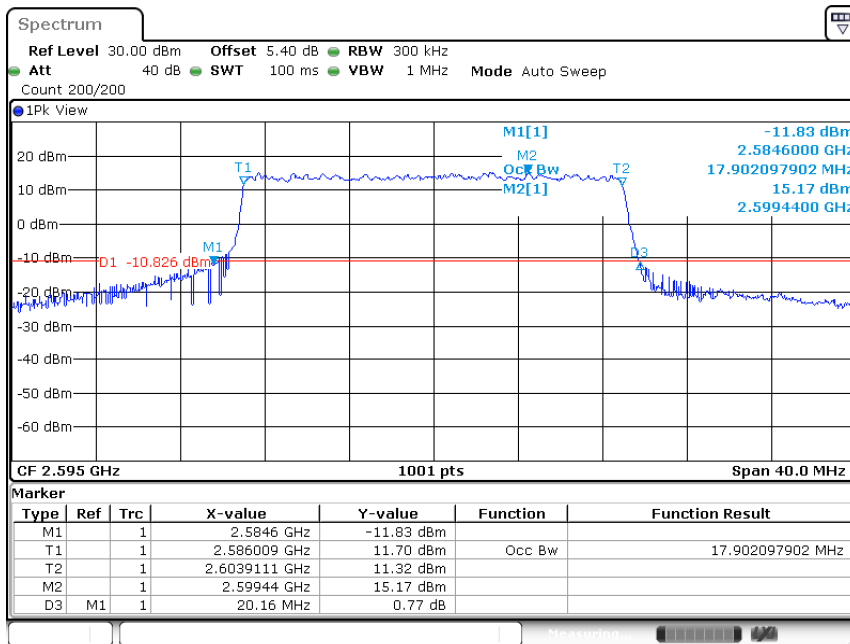
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**Band41-20MHz-16QAM-40140-100RB#0-17.862**



Date: 21.AUG.2020 15:04:14

**Band41-20MHz-16QAM-40640-100RB#0-17.902**

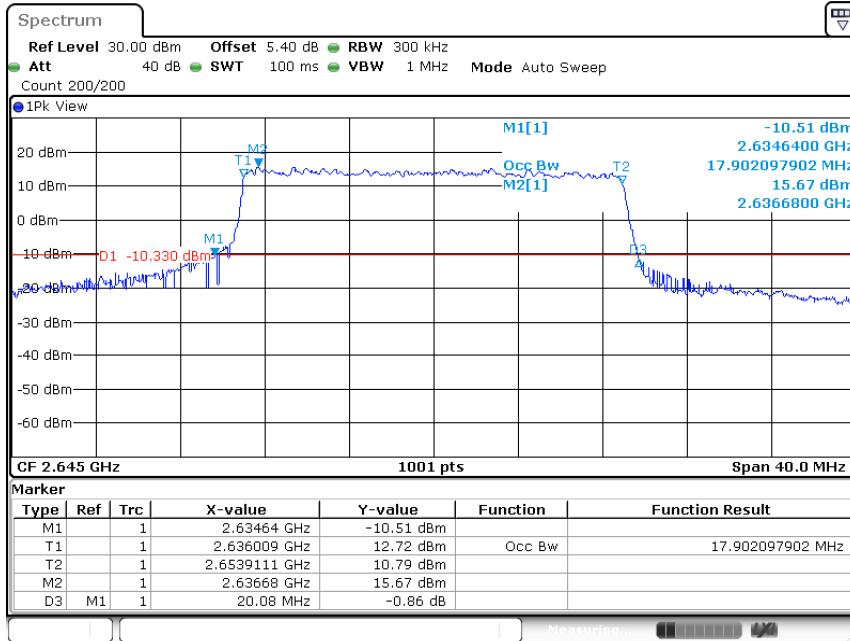


Date: 21.AUG.2020 15:05:20



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**Band41-20MHz-16QAM-41140-100RB#0-17.902**



Date: 21.AUG.2020 15:06:25

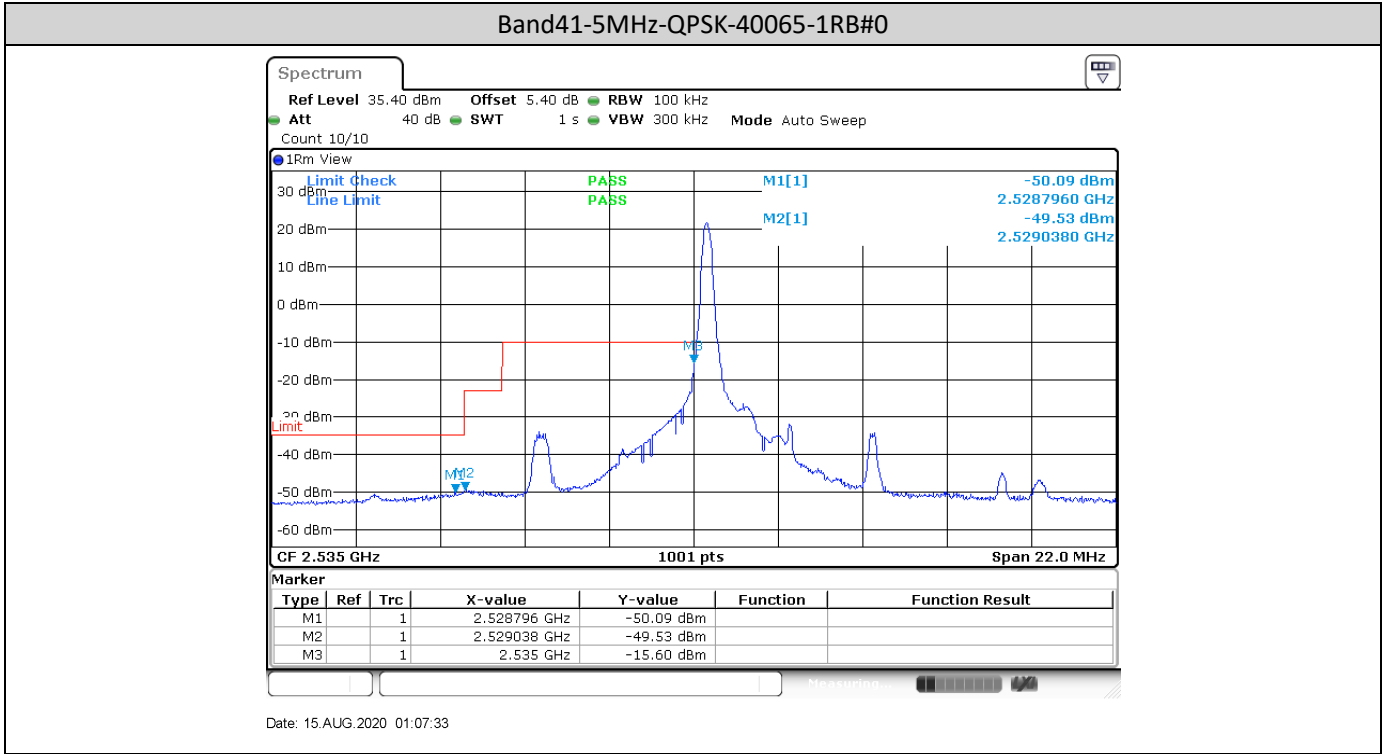


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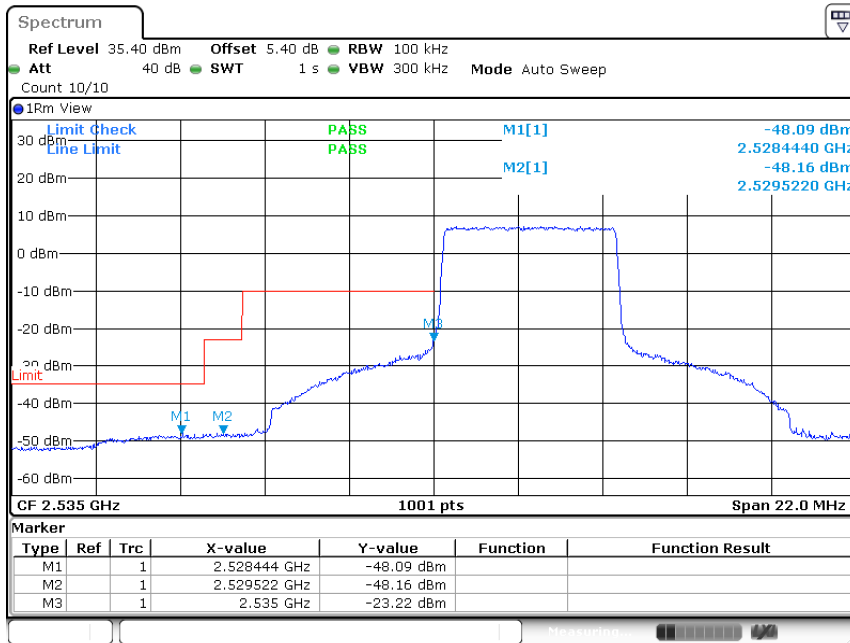
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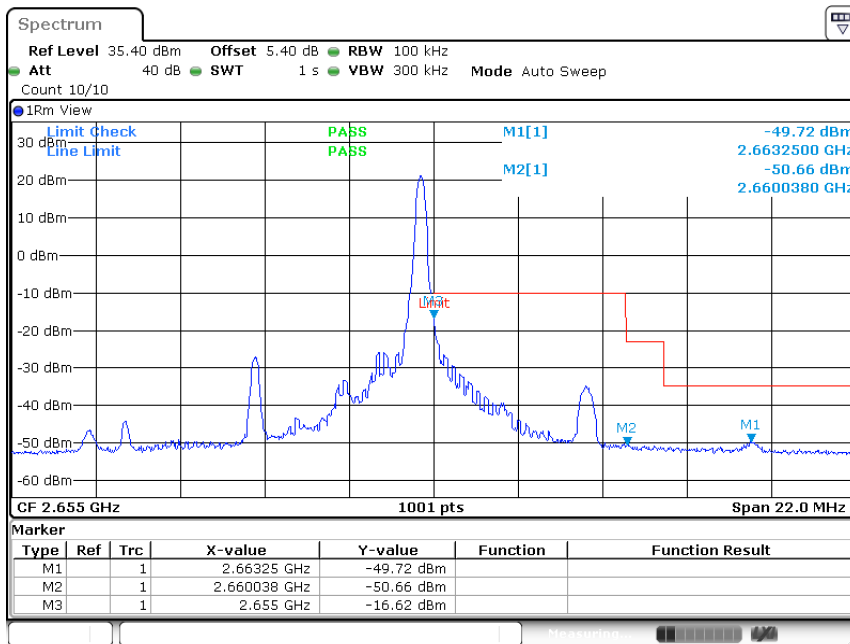
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**Band41-5MHz-QPSK-40065-25RB#0**



Date: 15.AUG.2020 01:09:10

**Band41-5MHz-QPSK-41215-1RB#24**



Date: 15.AUG.2020 01:08:22



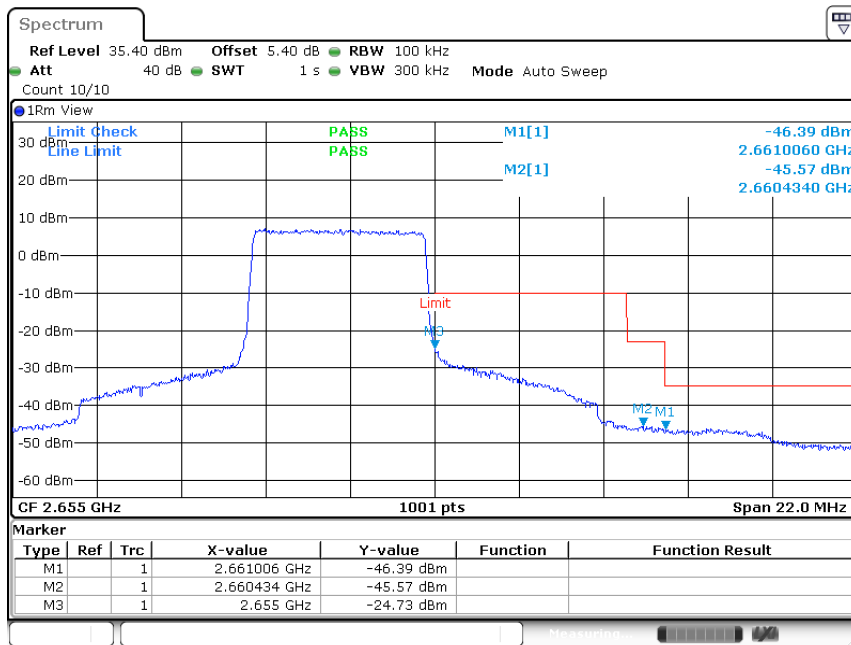
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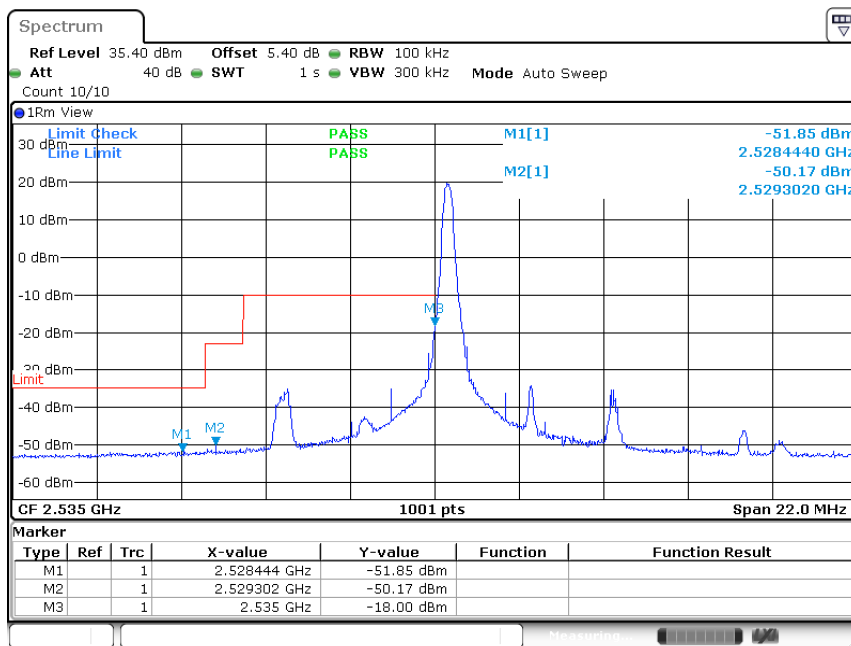


**Band41-5MHz-QPSK-41215-25RB#0**



Date: 15.AUG.2020 01:09:54

**Band41-5MHz-64QAM-40065-1RB#0**

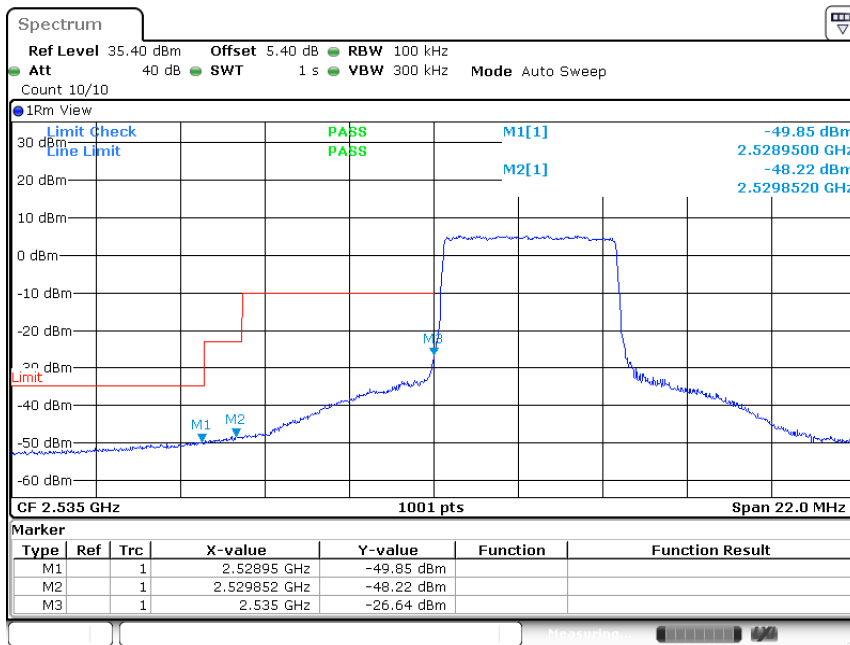


Date: 15.AUG.2020 03:02:28



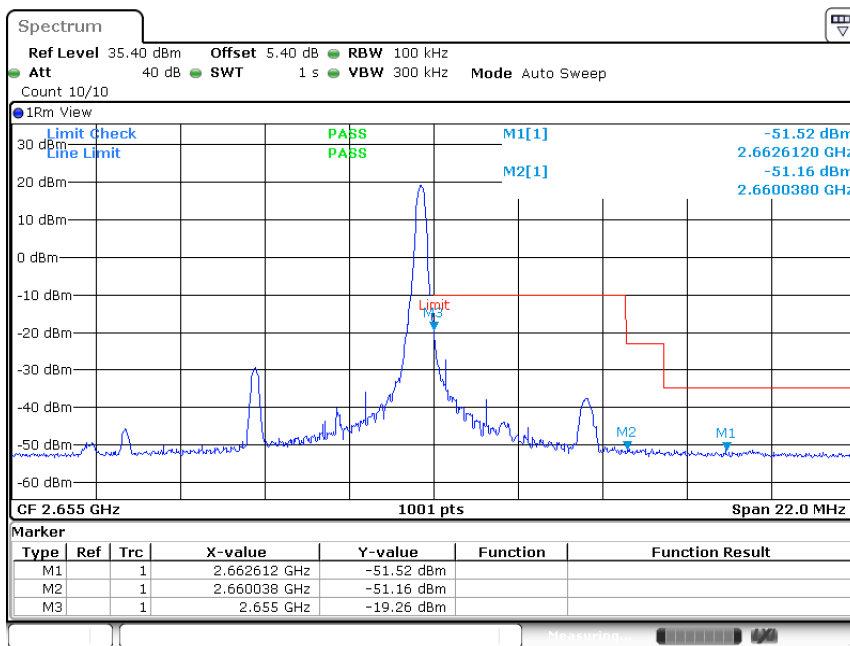
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**Band41-5MHz-64QAM-40065-25RB#0**



Date: 15.AUG.2020 03:03:22

**Band41-5MHz-64QAM-41215-1RB#24**

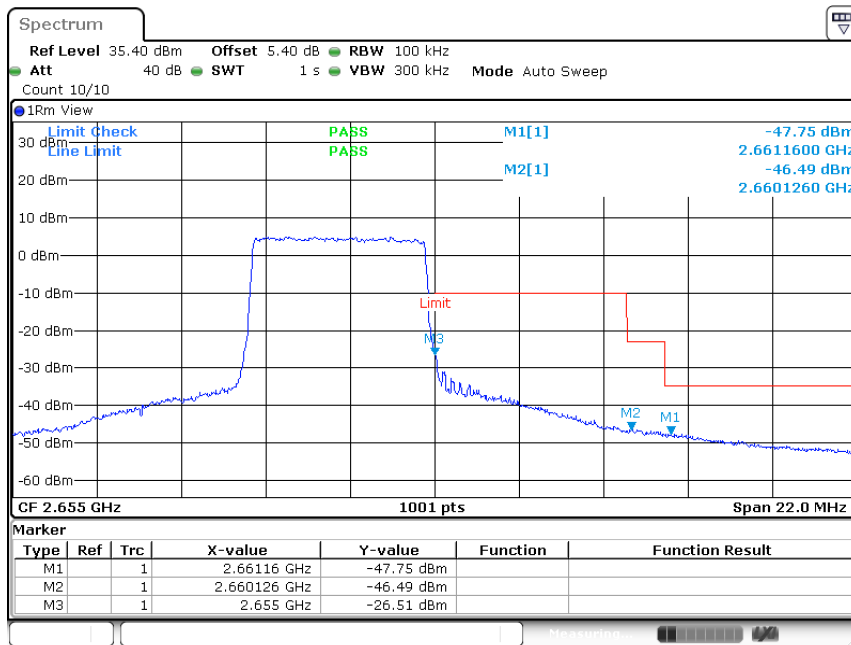


Date: 15.AUG.2020 03:02:55



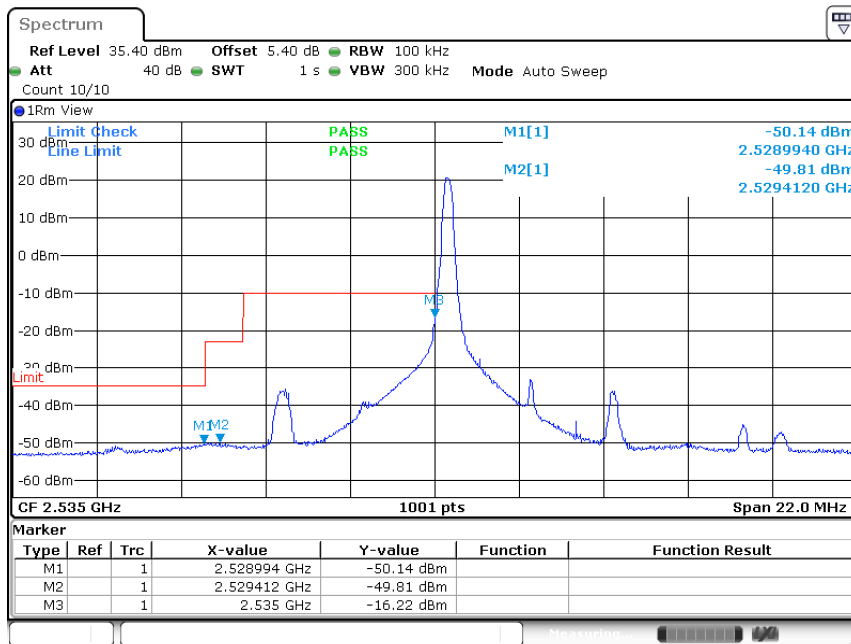
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**Band41-5MHz-64QAM-41215-25RB#0**



Date: 15.AUG.2020 03:03:44

**Band41-5MHz-16QAM-40065-1RB#0**

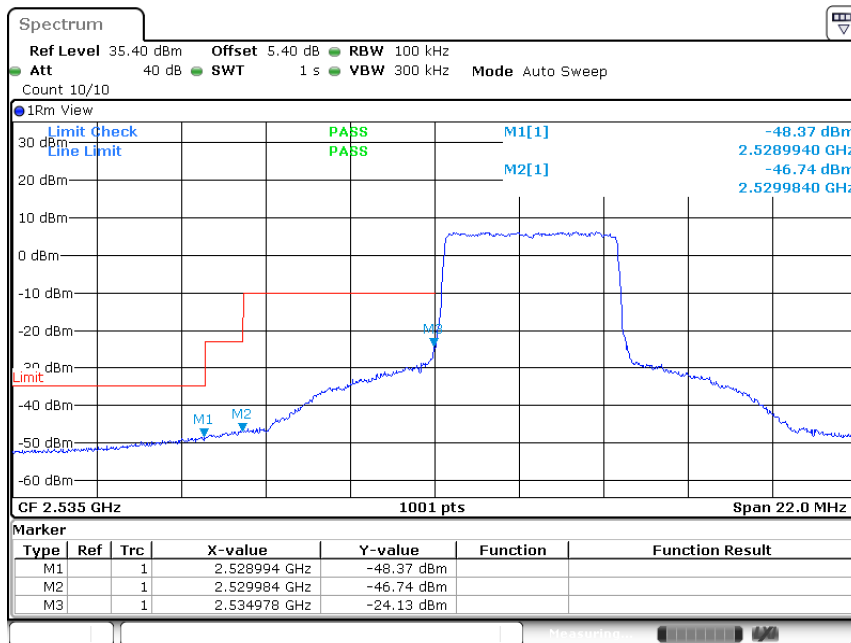


Date: 15.AUG.2020 01:07:56



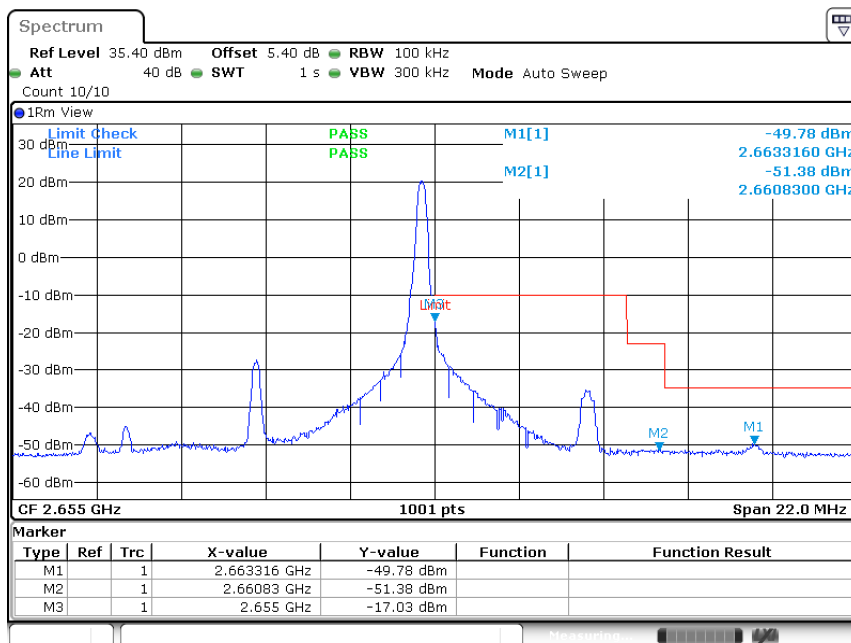
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**Band41-5MHz-16QAM-40065-25RB#0**



Date: 15.AUG.2020 01:09:32

**Band41-5MHz-16QAM-41215-1RB#24**

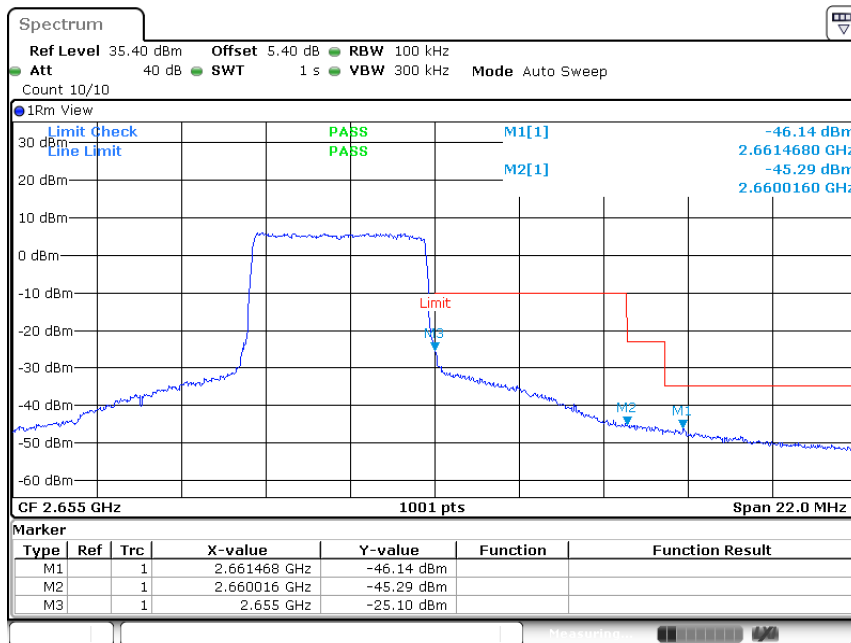


Date: 15.AUG.2020 01:08:44



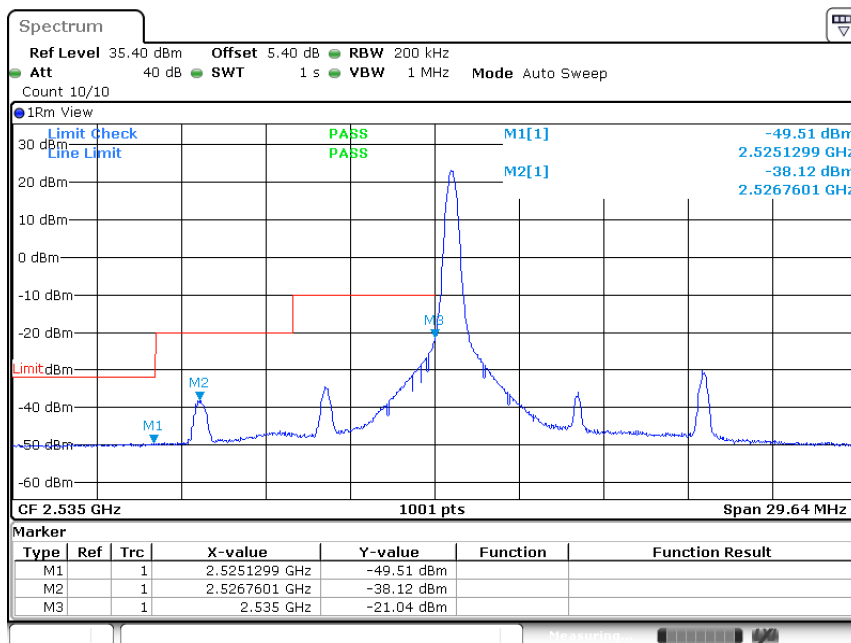
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**Band41-5MHz-16QAM-41215-25RB#0**



Date: 15.AUG.2020 01:10:15

**Band41-10MHz-QPSK-40090-1RB#0**

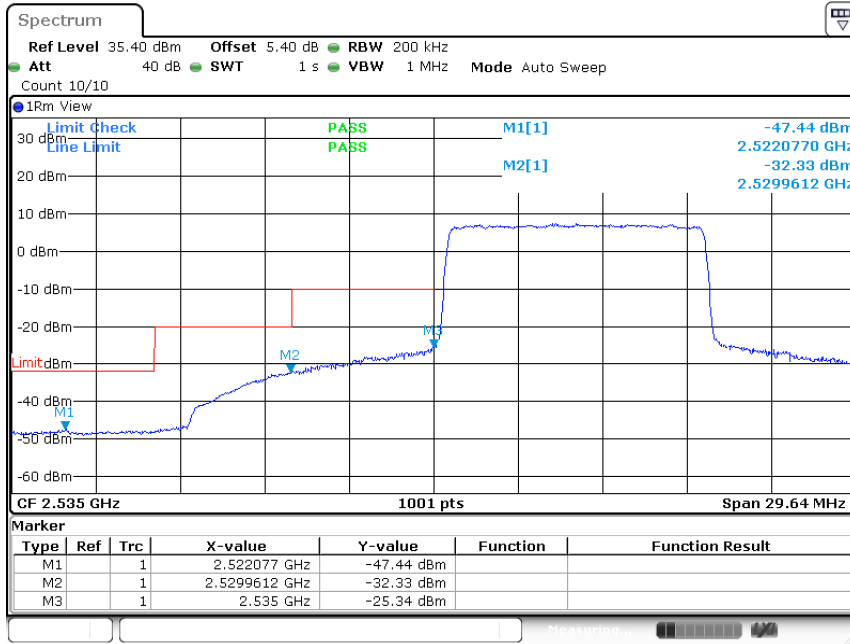


Date: 15.AUG.2020 01:10:43



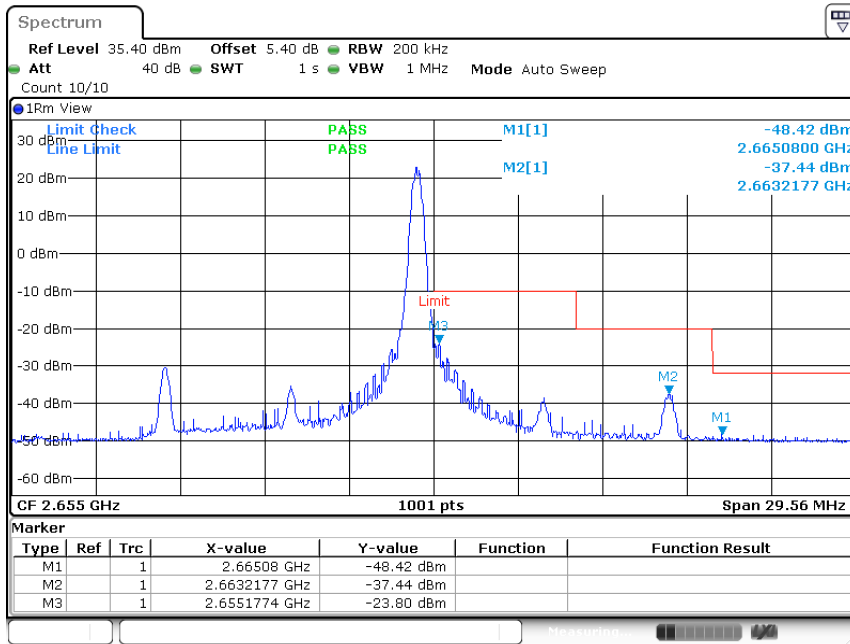
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**Band41-10MHz-QPSK-40090-50RB#0**



Date: 15.AUG.2020 01:12:19

**Band41-10MHz-QPSK-41190-1RB#49**



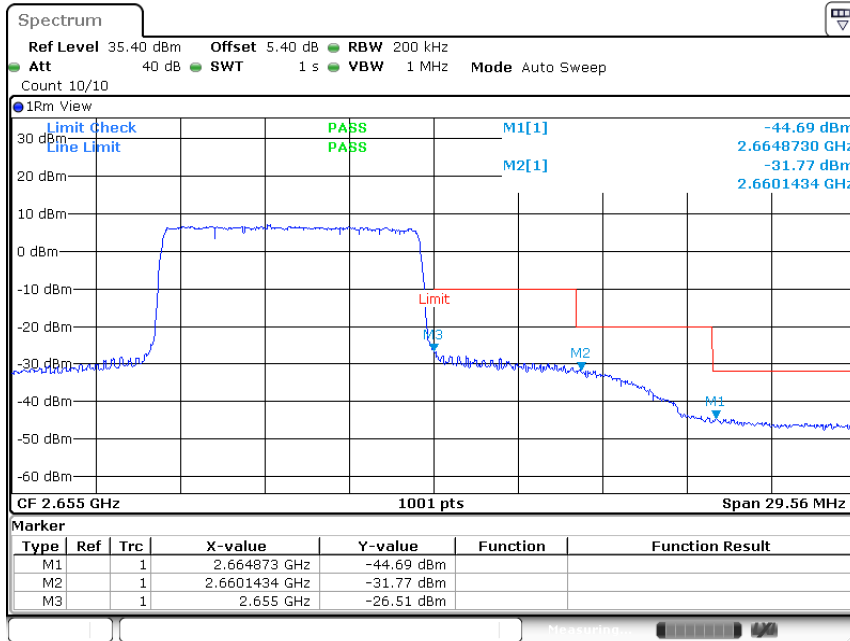
Date: 15.AUG.2020 01:11:31



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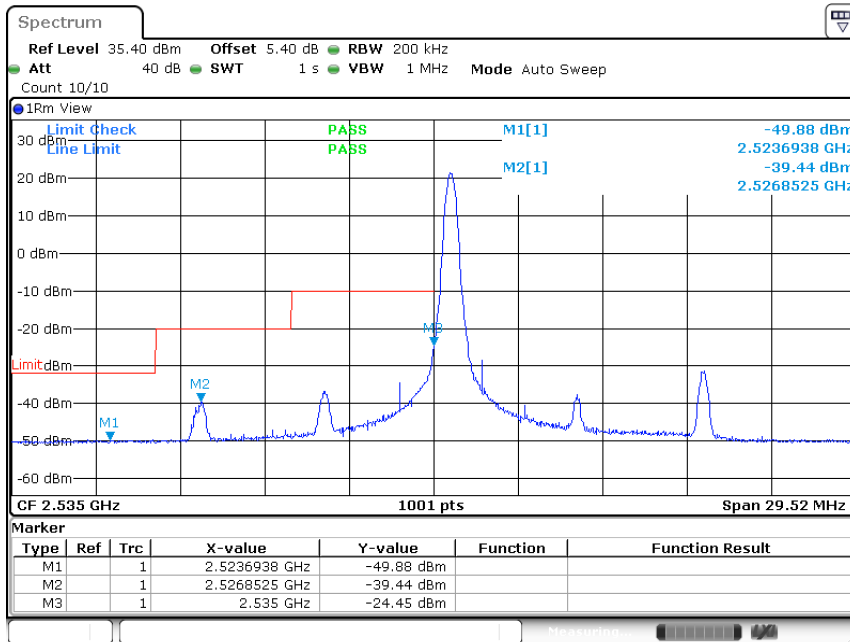
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**Band41-10MHz-QPSK-41190-50RB#0**



Date: 15.AUG.2020 01:13:03

**Band41-10MHz-64QAM-40090-1RB#0**

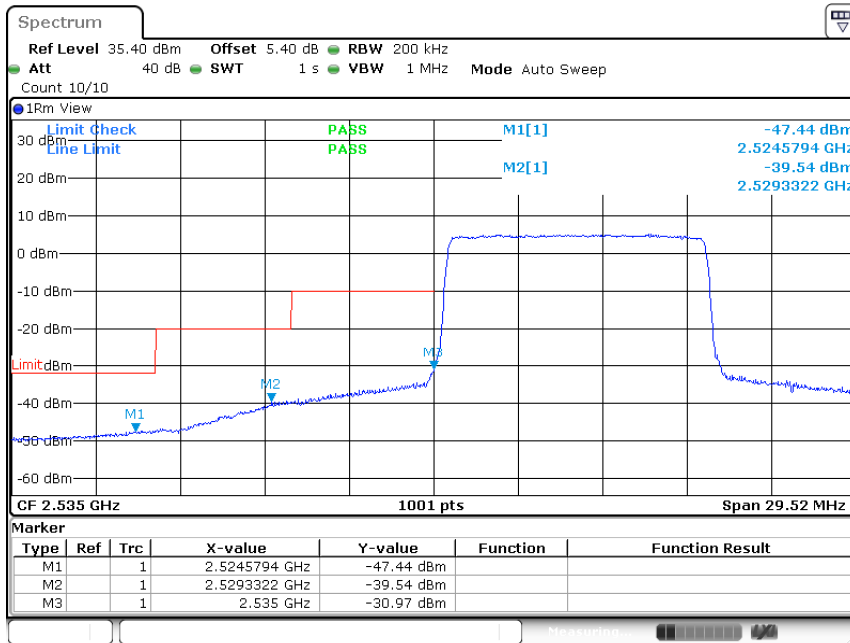


Date: 15.AUG.2020 03:04:13



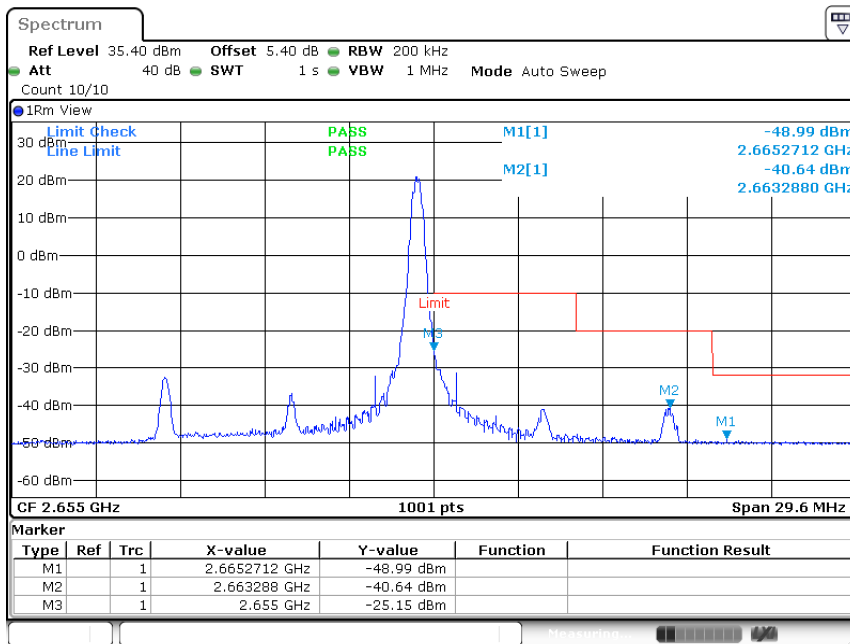
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**Band41-10MHz-64QAM-40090-50RB#0**



Date: 15.AUG.2020 03:05:08

**Band41-10MHz-64QAM-41190-1RB#49**



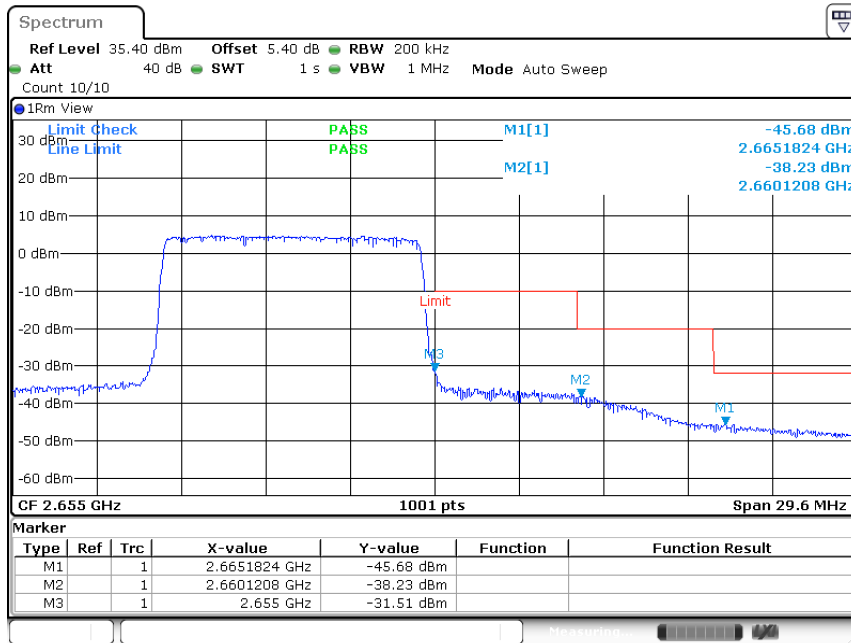
Date: 15.AUG.2020 03:04:40



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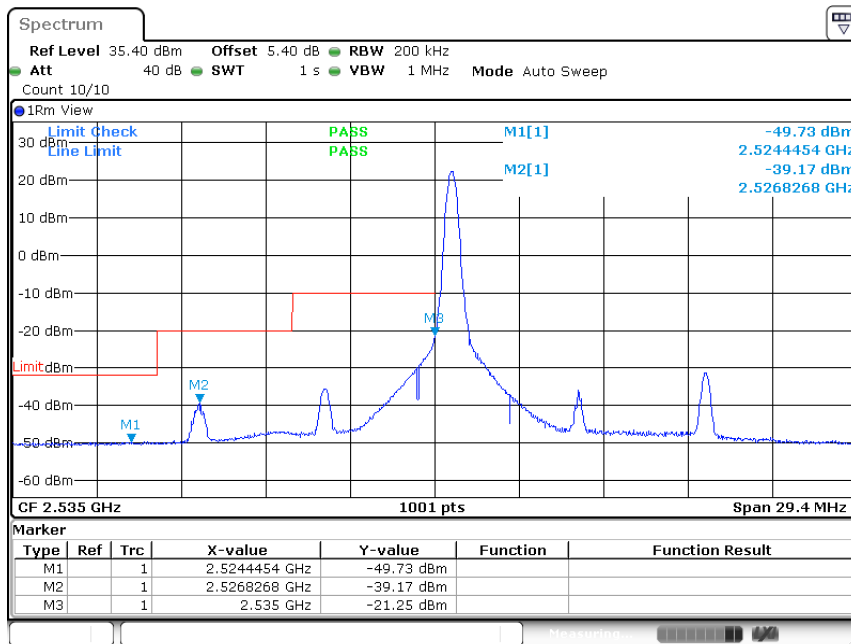


**Band41-10MHz-64QAM-41190-50RB#0**



Date: 15.AUG.2020 03:05:30

**Band41-10MHz-16QAM-40090-1RB#0**

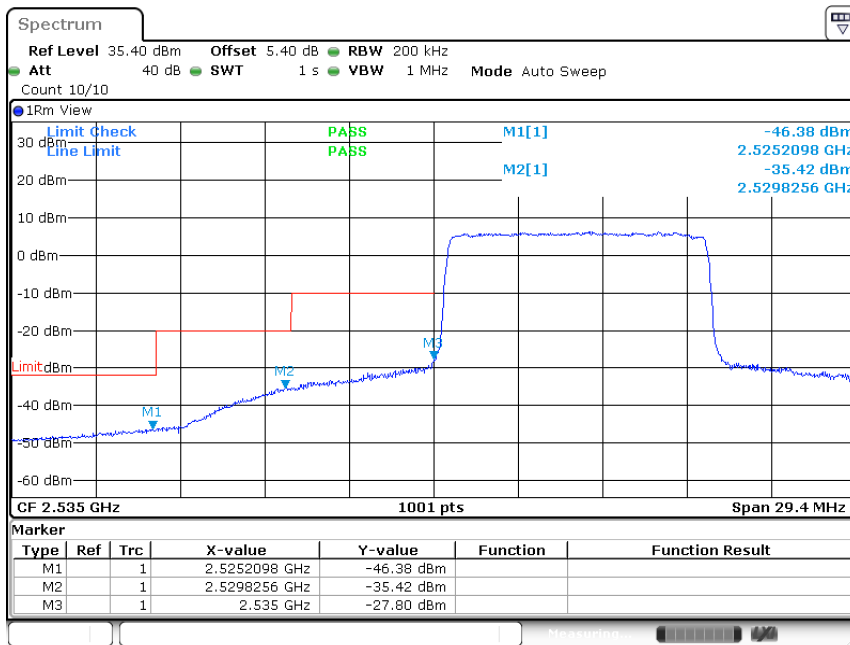


Date: 15.AUG.2020 01:11:05



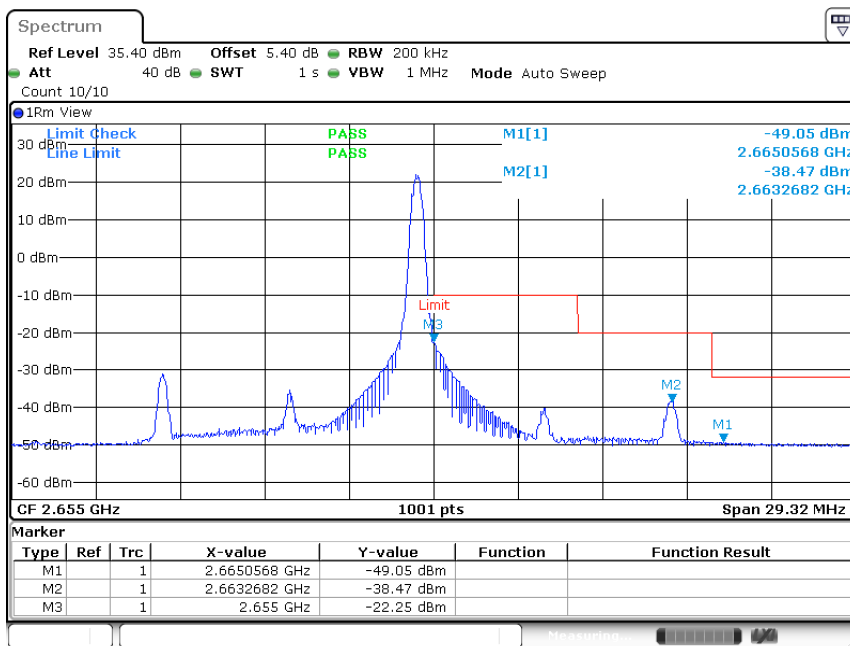
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**Band41-10MHz-16QAM-40090-50RB#0**



Date: 15.AUG.2020 01:12:41

**Band41-10MHz-16QAM-41190-1RB#49**

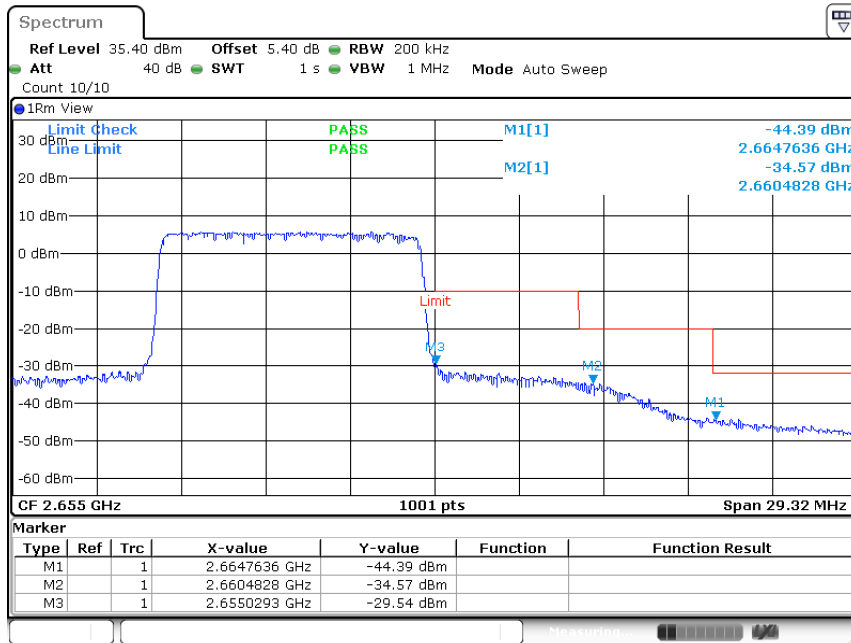


Date: 15.AUG.2020 01:11:53



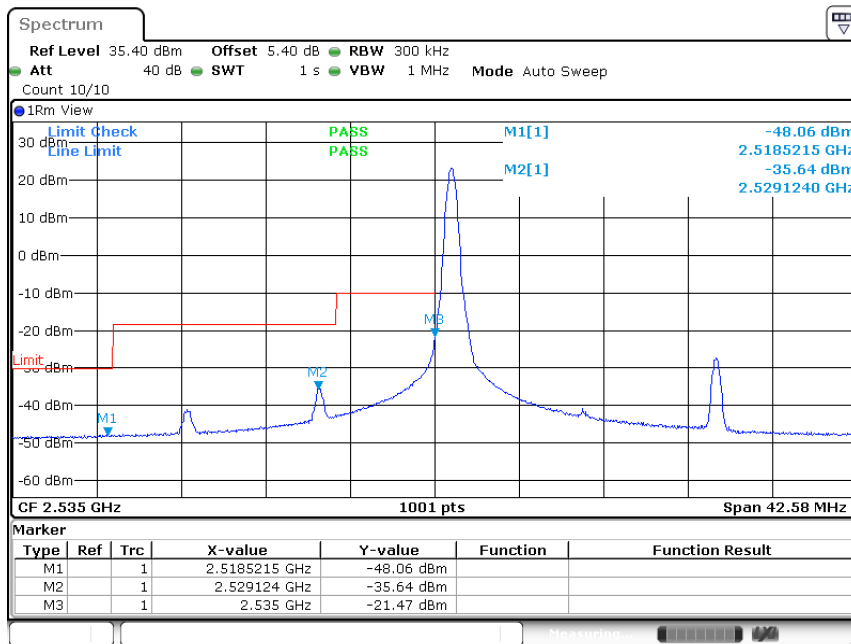
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**Band41-10MHz-16QAM-41190-50RB#0**



Date: 15.AUG.2020 01:13:25

**Band41-15MHz-QPSK-40115-1RB#0**



Date: 15.AUG.2020 01:13:52

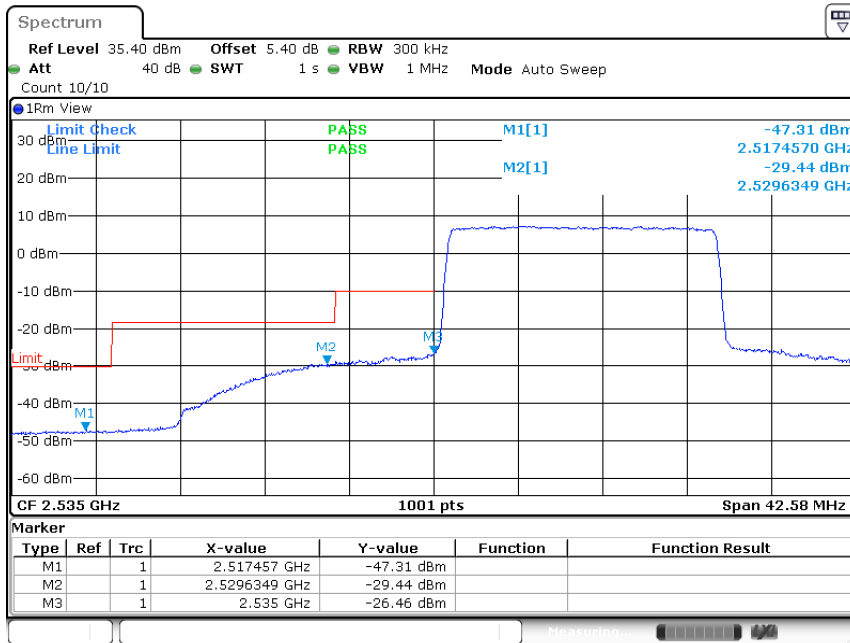


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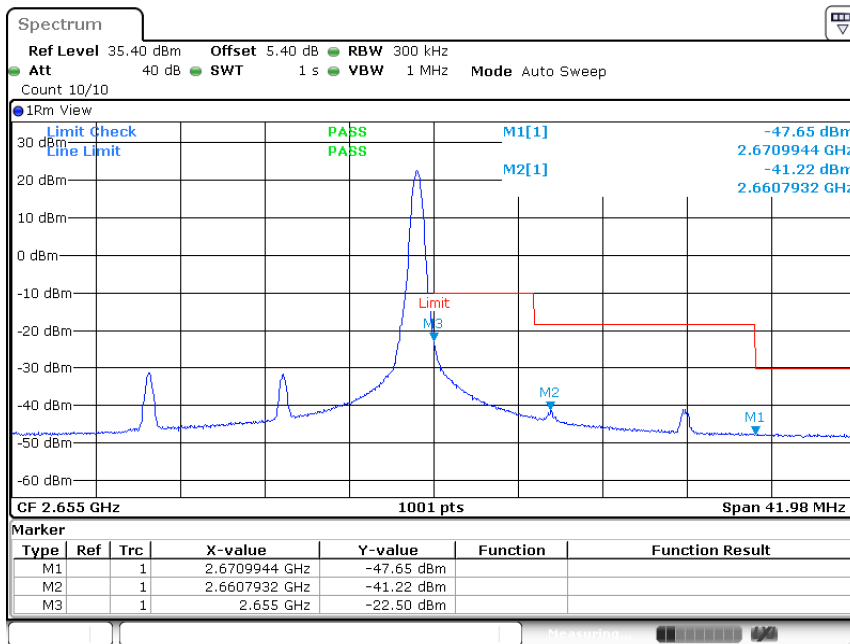
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**Band41-15MHz-QPSK-40115-75RB#0**



Date: 15.AUG.2020 01:15:29

**Band41-15MHz-QPSK-41165-1RB#74**

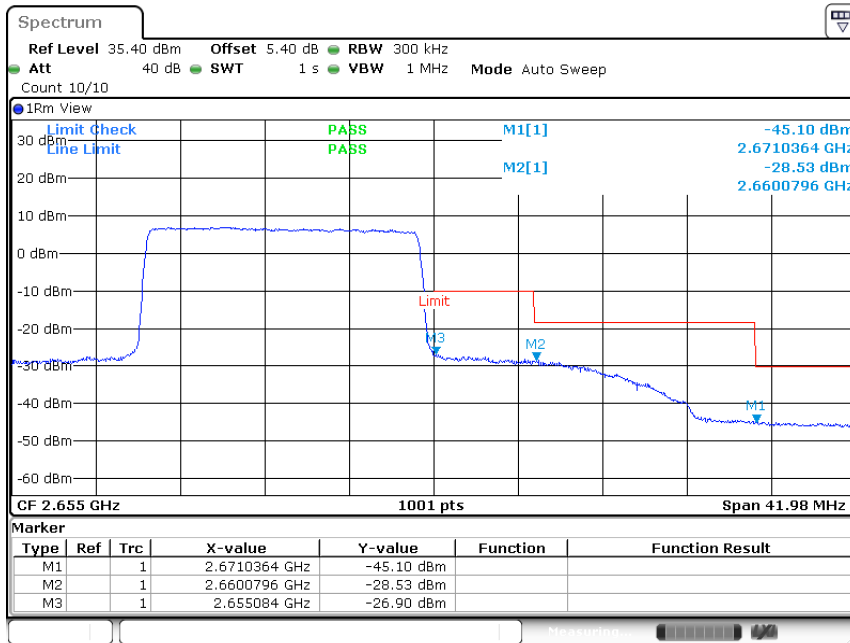


Date: 15.AUG.2020 01:14:41



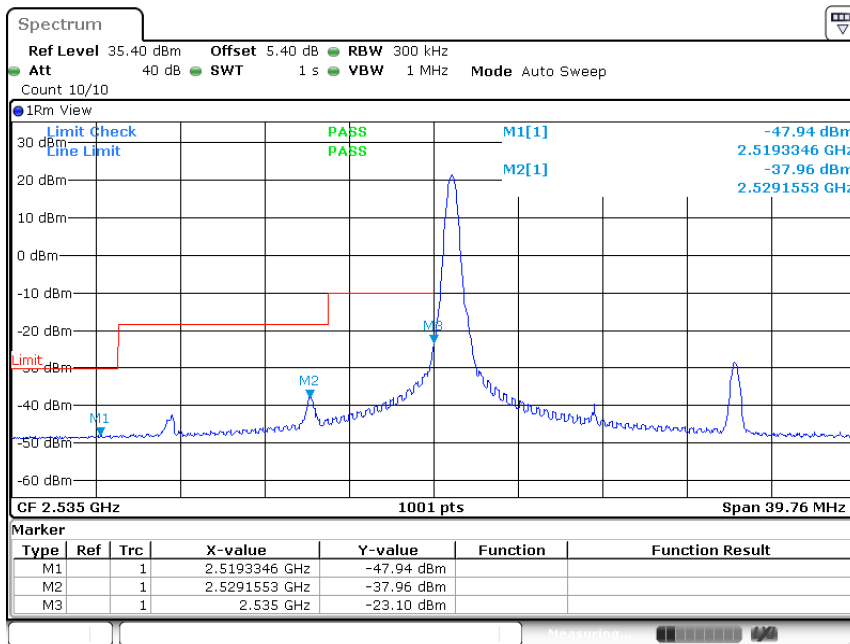
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**Band41-15MHz-QPSK-41165-75RB#0**



Date: 15.AUG.2020 01:16:13

**Band41-15MHz-64QAM-40115-1RB#0**

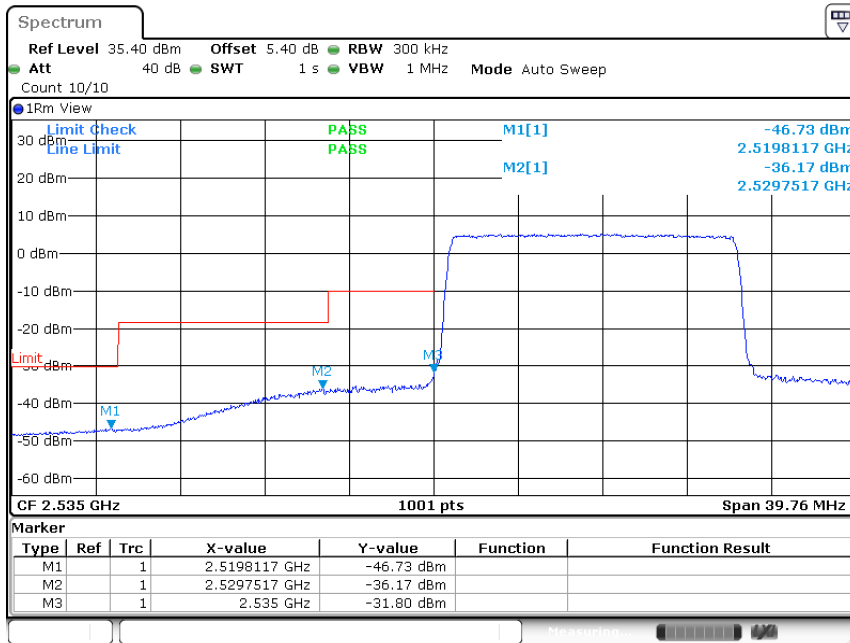


Date: 15.AUG.2020 03:05:59



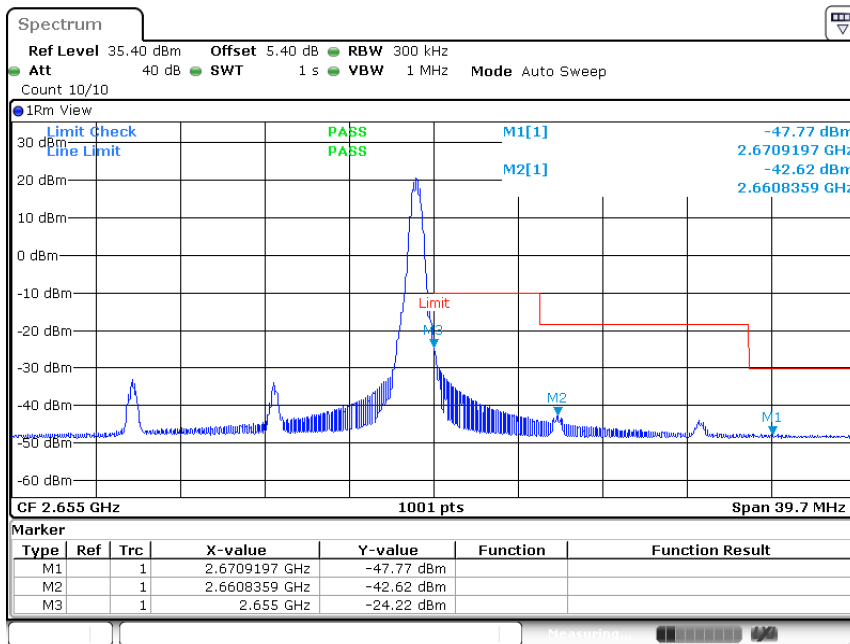
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**Band41-15MHz-64QAM-40115-75RB#0**



Date: 15.AUG.2020 03:06:53

**Band41-15MHz-64QAM-41165-1RB#74**

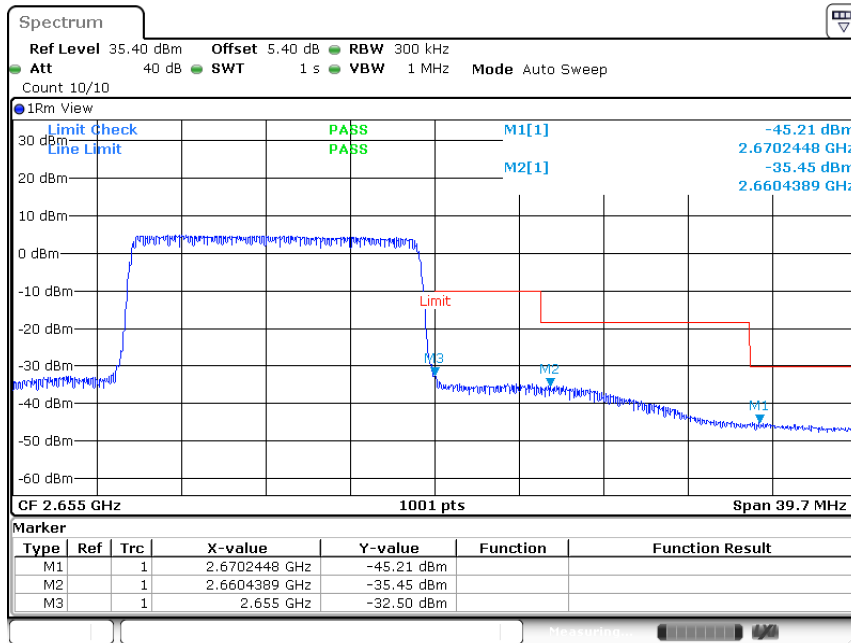


Date: 15.AUG.2020 03:06:26



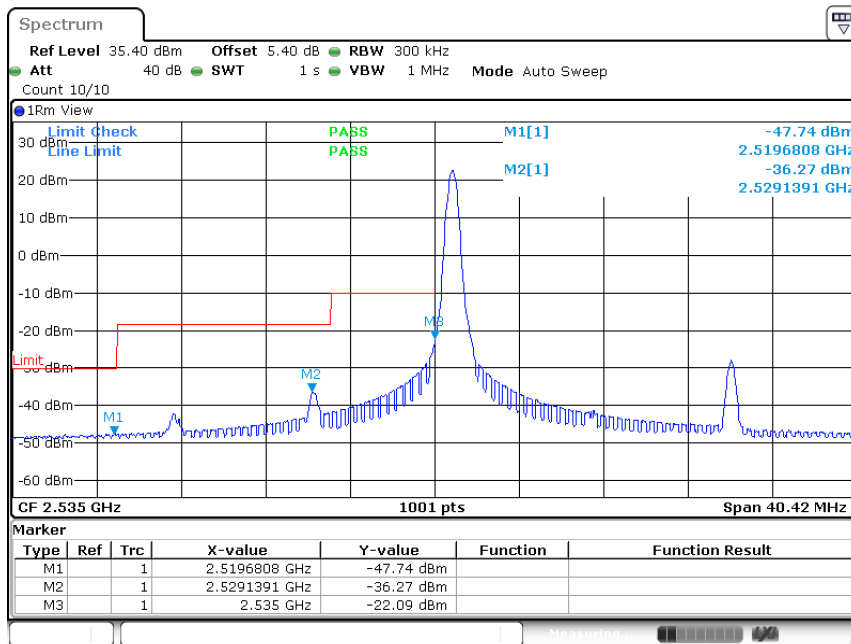
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**Band41-15MHz-64QAM-41165-75RB#0**



Date: 15.AUG.2020 03:07:15

**Band41-15MHz-16QAM-40115-1RB#0**

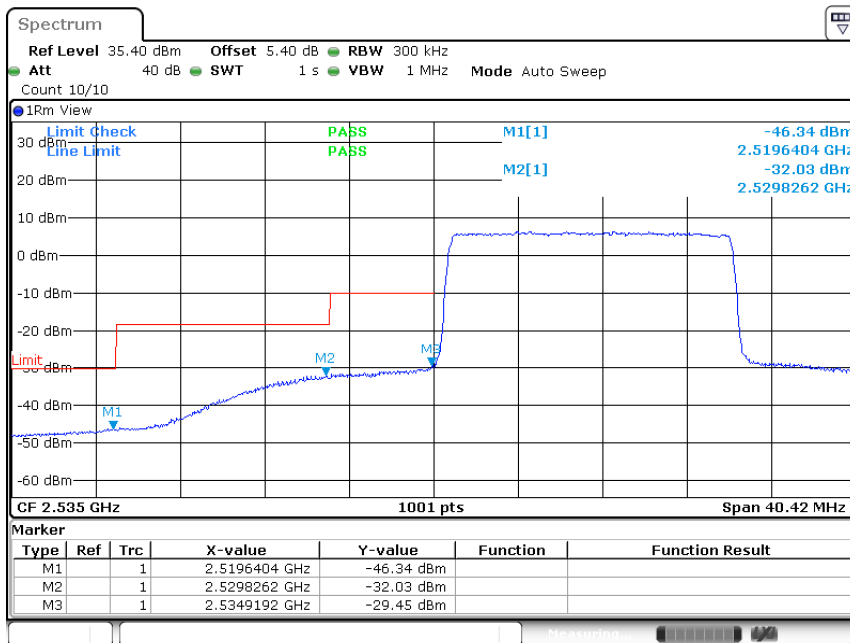


Date: 15.AUG.2020 01:14:14



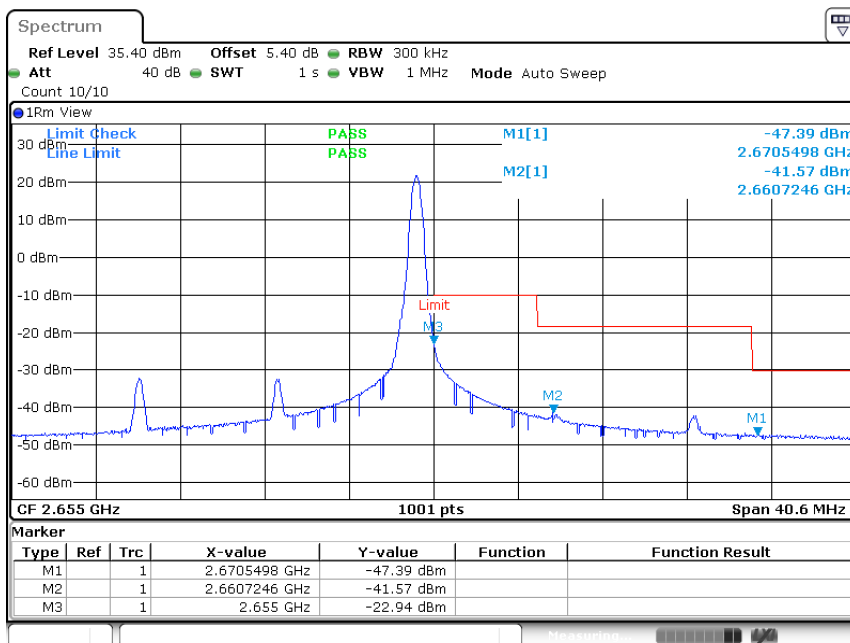
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**Band41-15MHz-16QAM-40115-75RB#0**



Date: 15.AUG.2020 01:15:50

**Band41-15MHz-16QAM-41165-1RB#74**



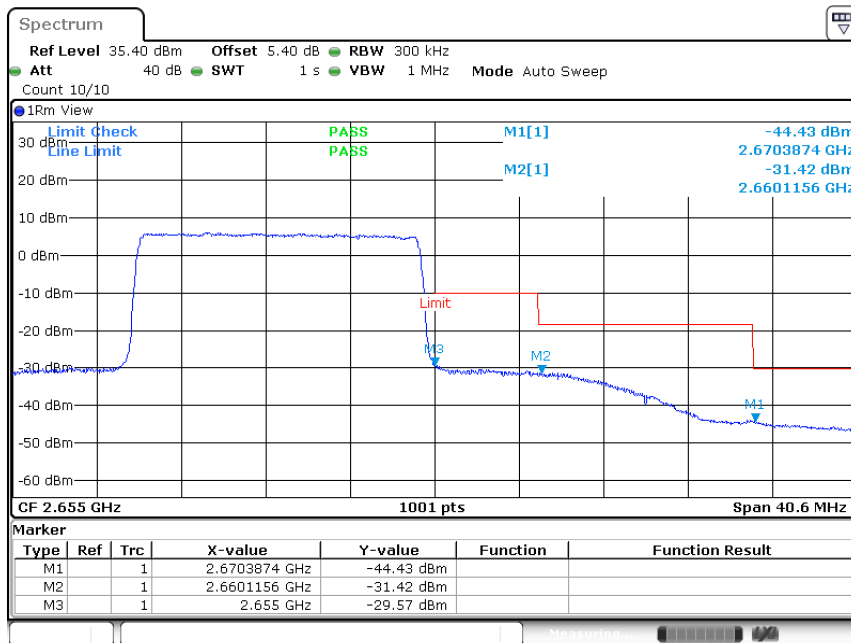
Date: 15.AUG.2020 01:15:03



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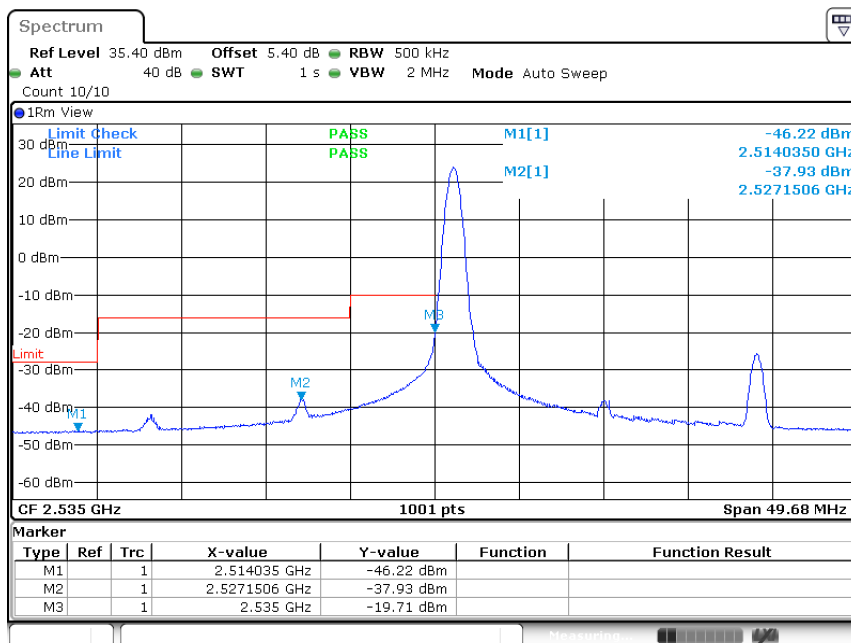


**Band41-15MHz-16QAM-41165-75RB#0**



Date: 15.AUG.2020 01:16:35

**Band41-20MHz-QPSK-40140-1RB#0**

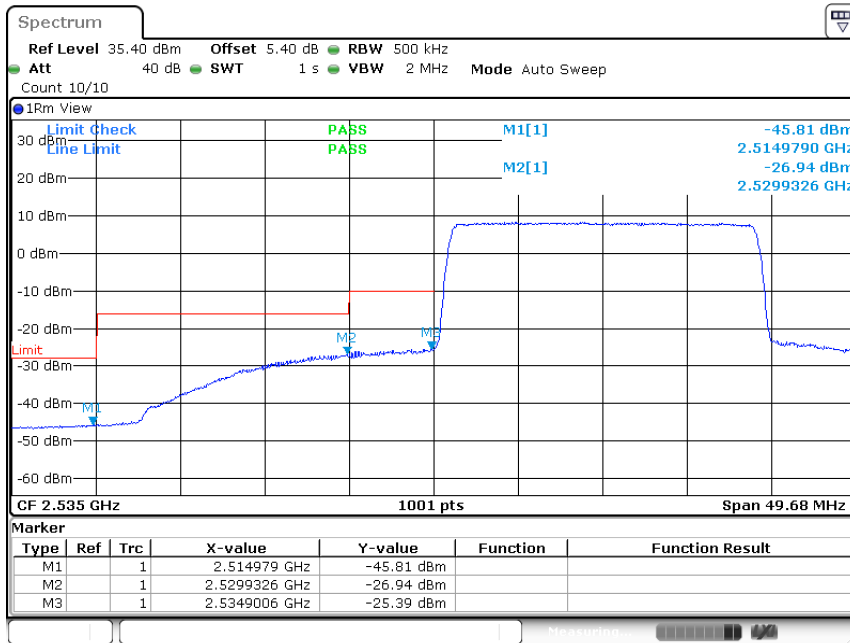


Date: 15.AUG.2020 01:17:02



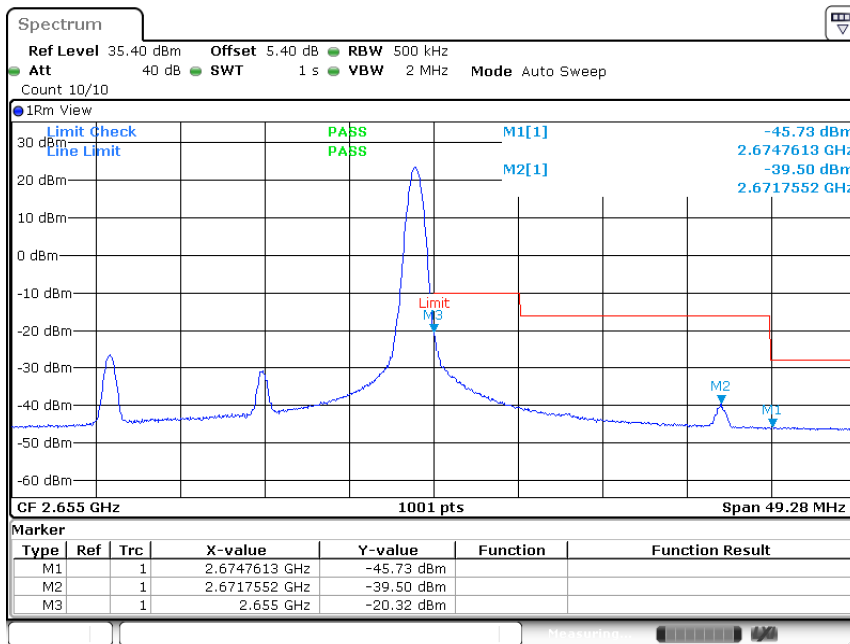
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**Band41-20MHz-QPSK-40140-100RB#0**



Date: 15.AUG.2020 01:18:39

**Band41-20MHz-QPSK-41140-1RB#99**

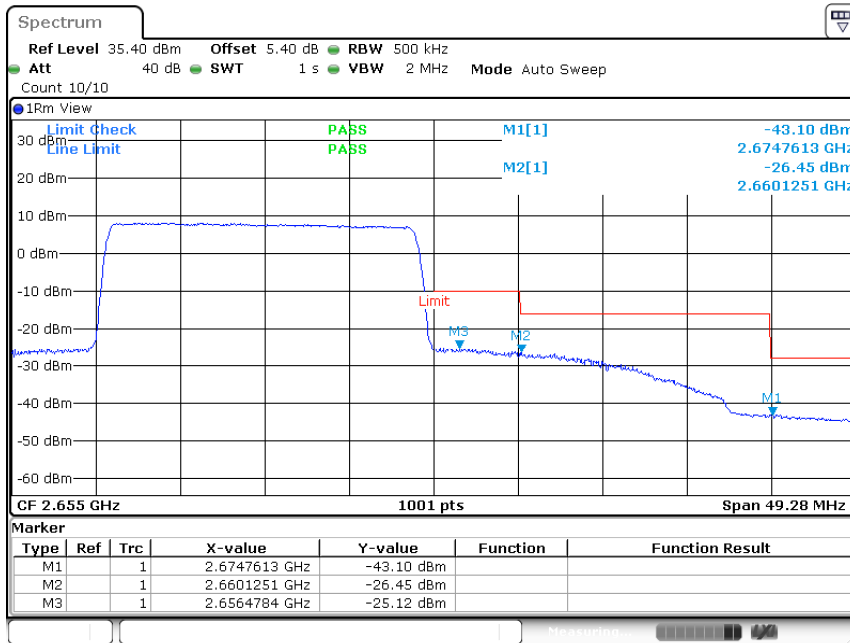


Date: 15.AUG.2020 01:17:51



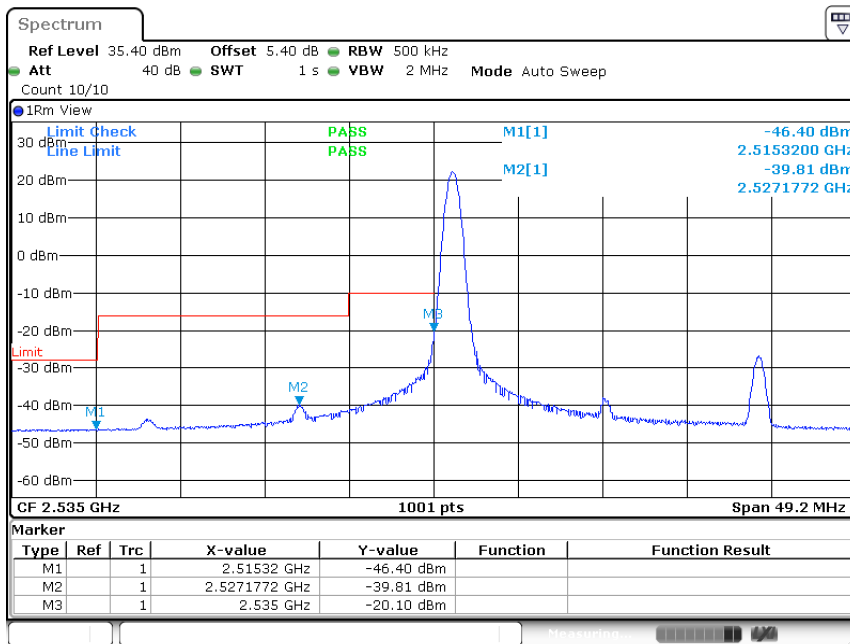
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**Band41-20MHz-QPSK-41140-100RB#0**



Date: 15.AUG.2020 01:19:23

**Band41-20MHz-64QAM-40140-1RB#0**

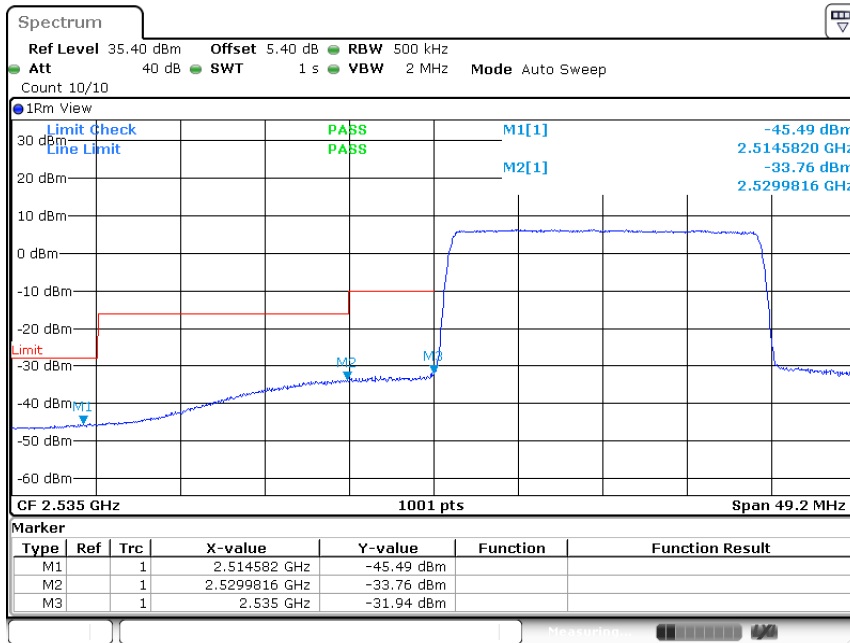


Date: 15.AUG.2020 03:07:44



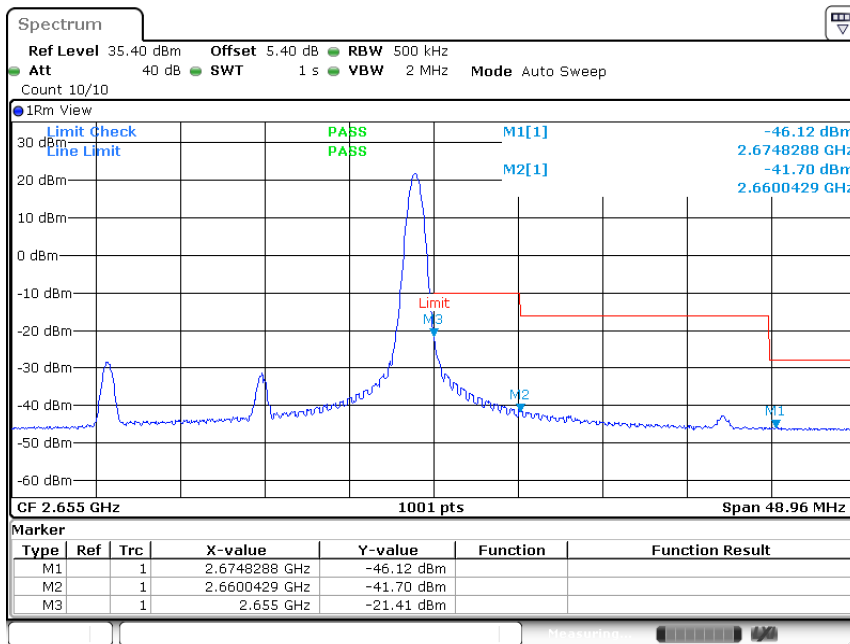
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**Band41-20MHz-64QAM-40140-100RB#0**



Date: 15.AUG.2020 03:08:38

**Band41-20MHz-64QAM-41140-1RB#99**

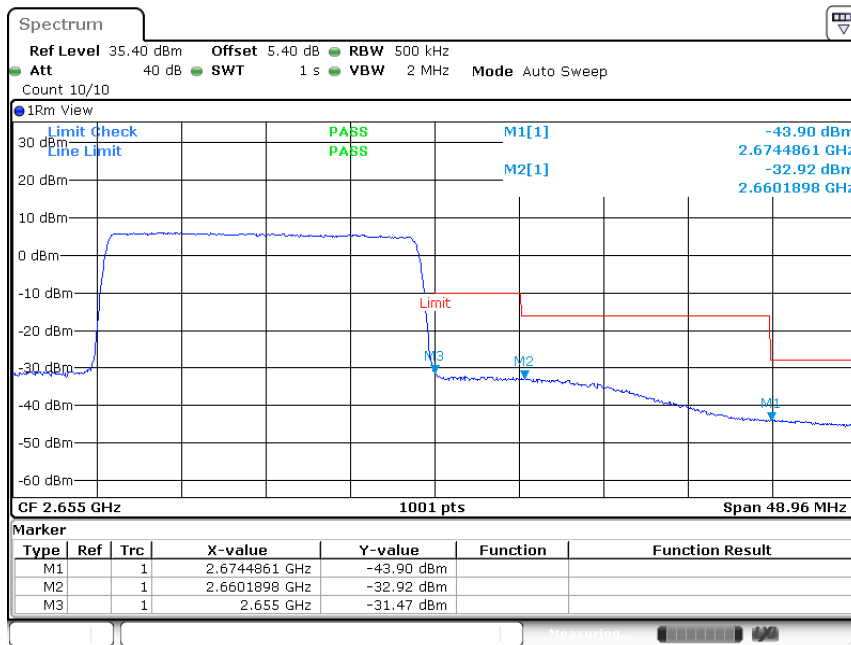


Date: 15.AUG.2020 03:08:11



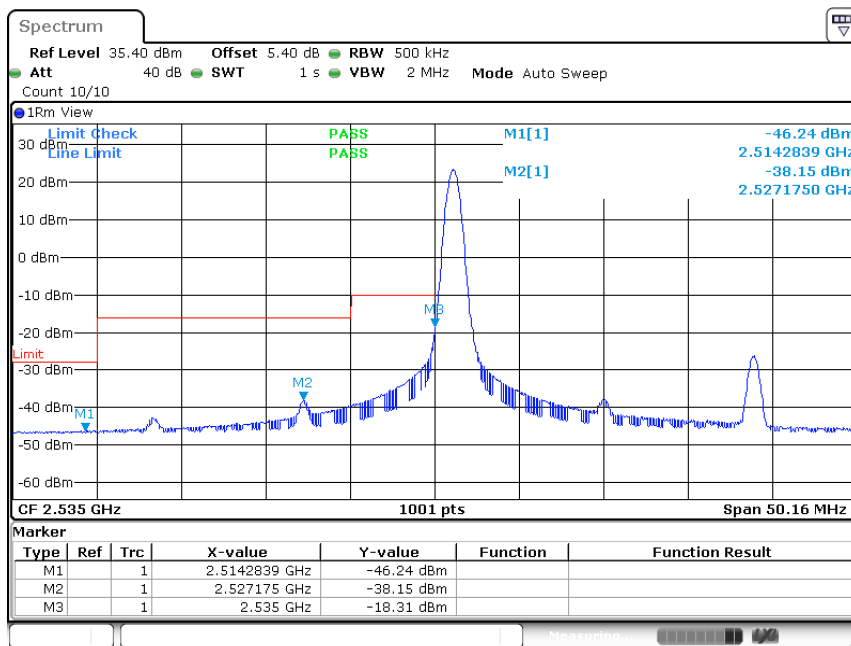
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**Band41-20MHz-64QAM-41140-100RB#0**



Date: 15.AUG.2020 03:09:00

**Band41-20MHz-16QAM-40140-1RB#0**

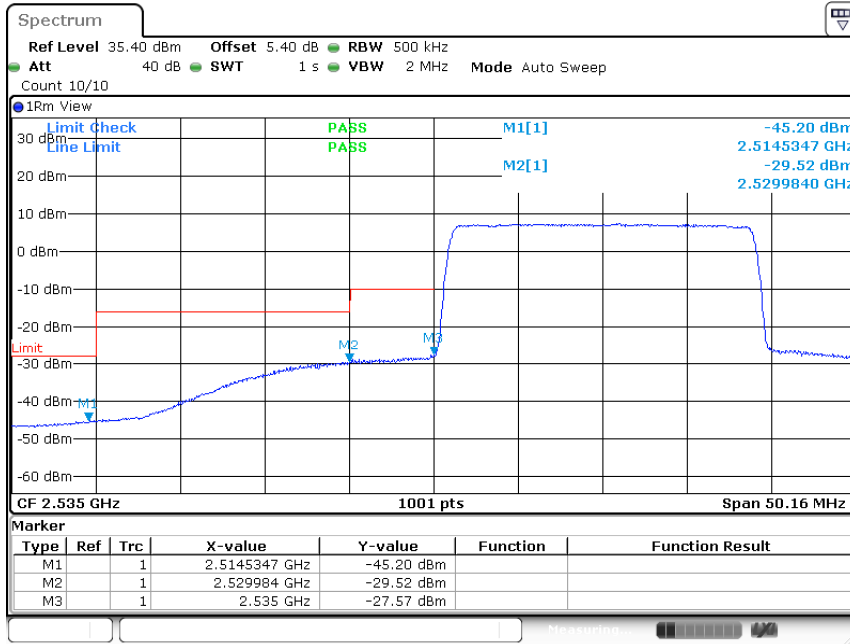


Date: 15.AUG.2020 01:17:24



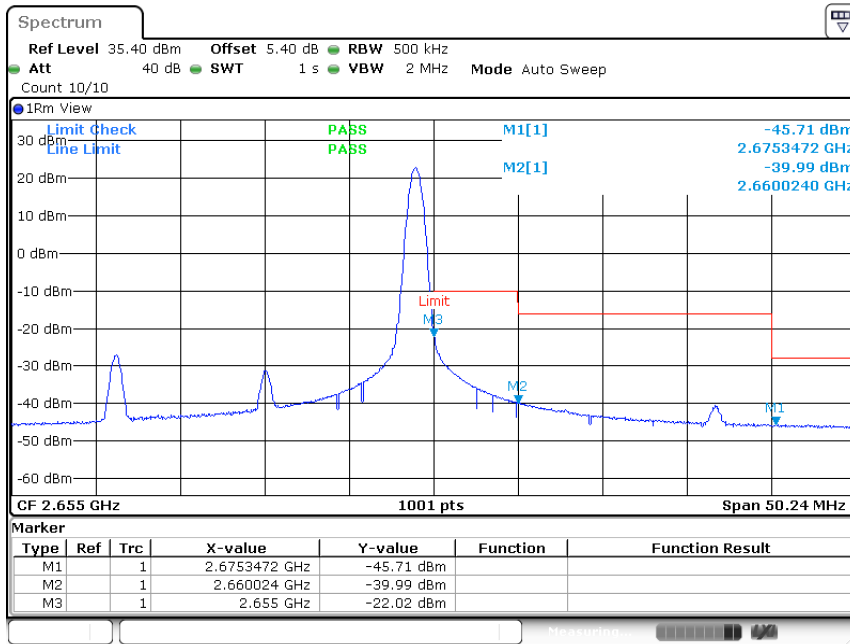
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**Band41-20MHz-16QAM-40140-100RB#0**



Date: 15.AUG.2020 01:19:01

**Band41-20MHz-16QAM-41140-1RB#99**

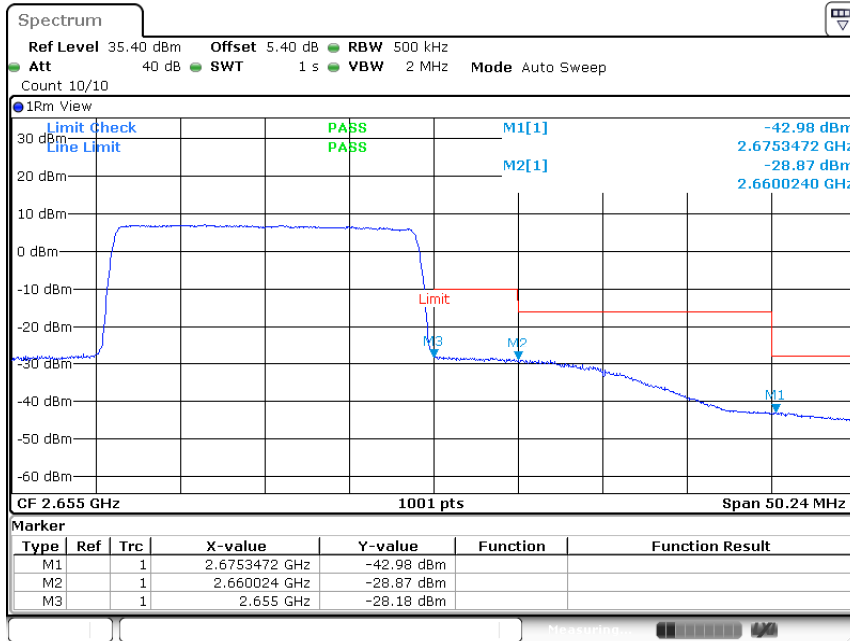


Date: 15.AUG.2020 01:18:13



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**Band41-20MHz-16QAM-41140-100RB#0**



Date: 15.AUG.2020 01:19:45



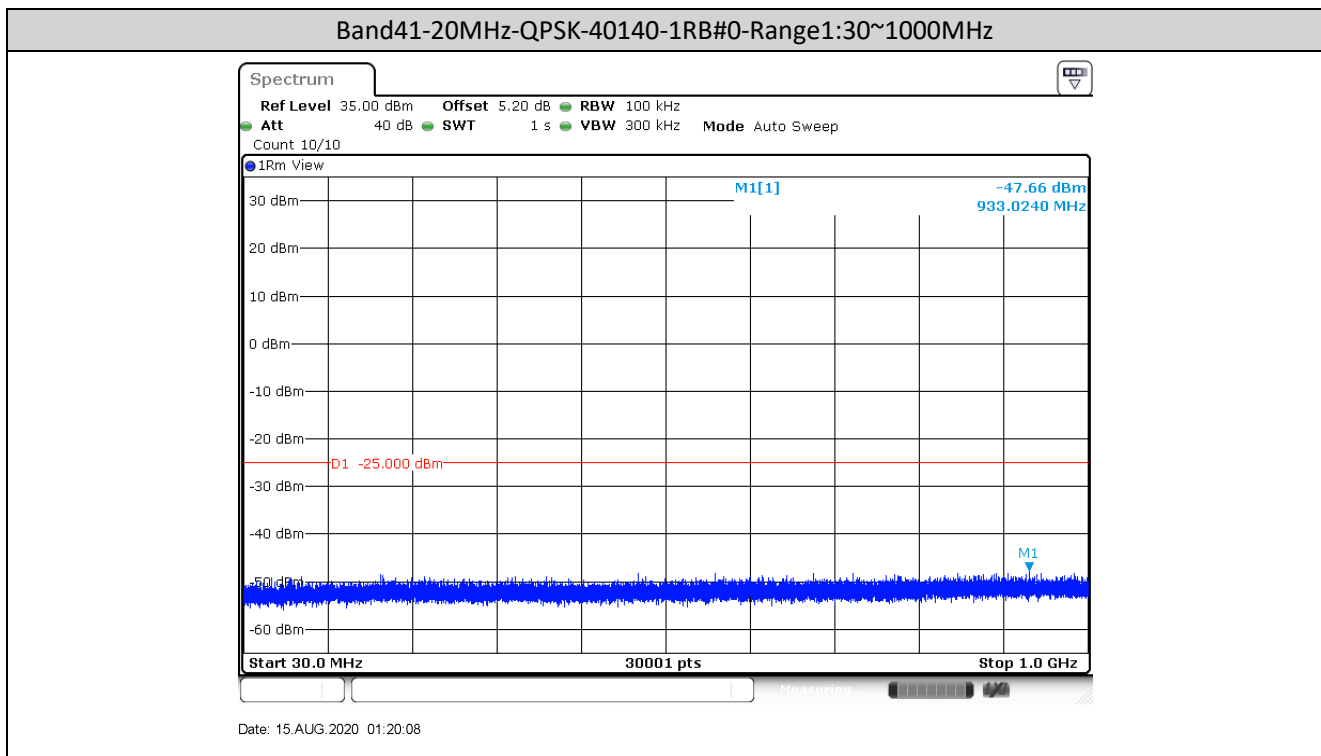
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## 6. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< RBW/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =  $k * (Span / RBW)$ " with  $k$  between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: only the worst case data displayed in this report.

### 6.1. Test Plots

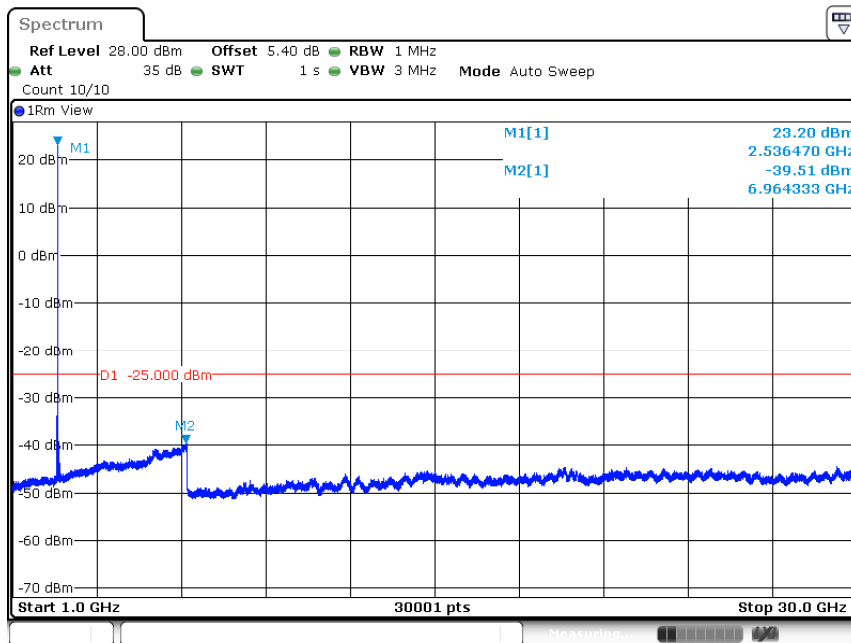


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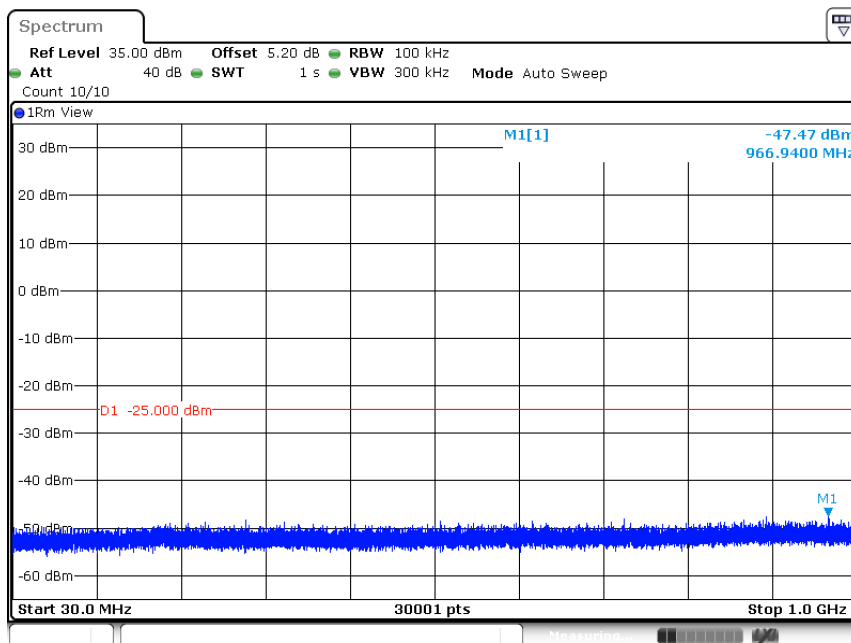


**Band41-20MHz-QPSK-40140-1RB#0-Range2:1000~30000MHz**



Date: 15.AUG.2020 01:20:24

**Band41-20MHz-QPSK-40640-1RB#0-Range1:30~1000MHz**

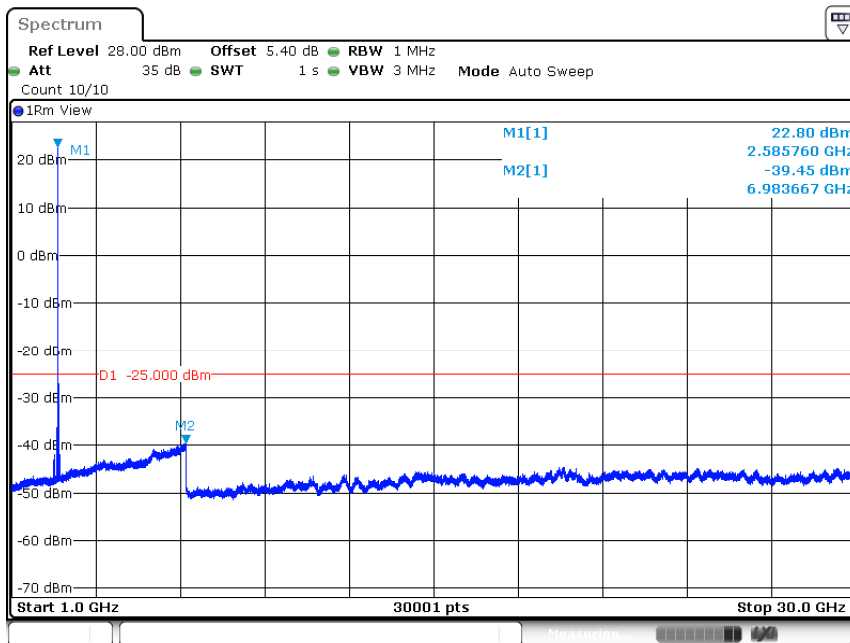


Date: 15.AUG.2020 01:21:19



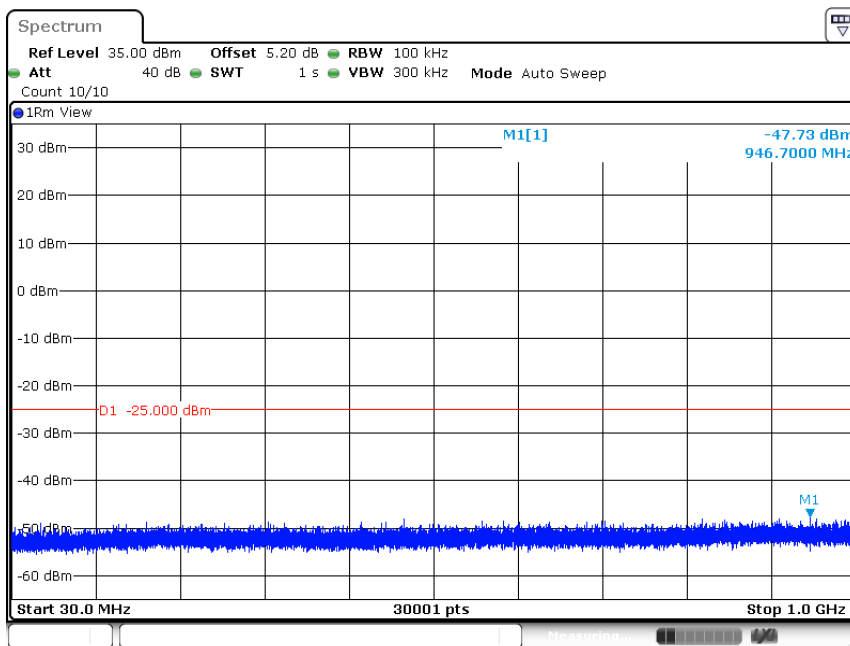
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**Band41-20MHz-QPSK-40640-1RB#0-Range2:1000~30000MHz**



Date: 15.AUG.2020 01:21:36

**Band41-20MHz-QPSK-41140-1RB#0-Range1:30~1000MHz**

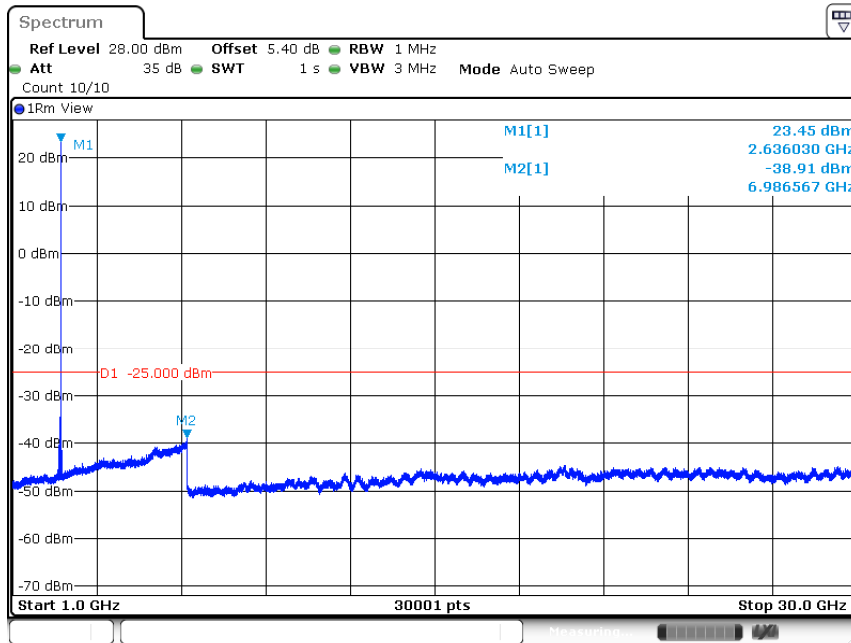


Date: 15.AUG.2020 01:22:31



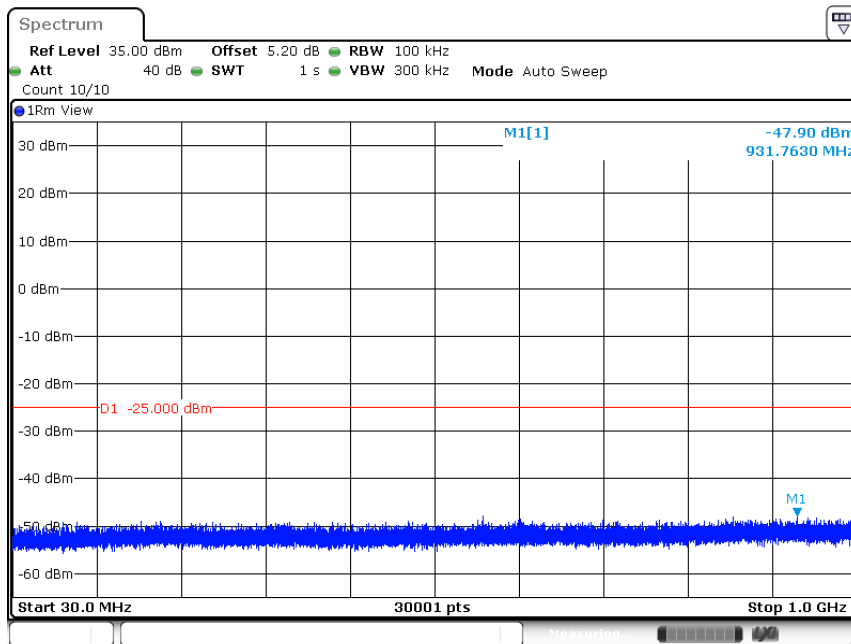
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**Band41-20MHz-QPSK-41140-1RB#0-Range2:1000~30000MHz**



Date: 15.AUG.2020 01:22:47

**Band41-20MHz-64QAM-40140-1RB#0-Range1:30~1000MHz**



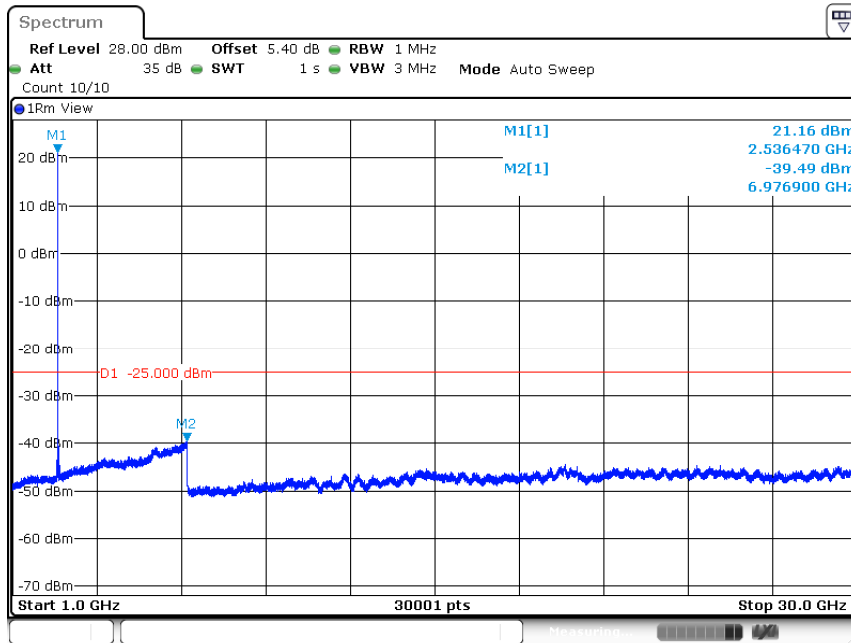
Date: 15.AUG.2020 03:09:24



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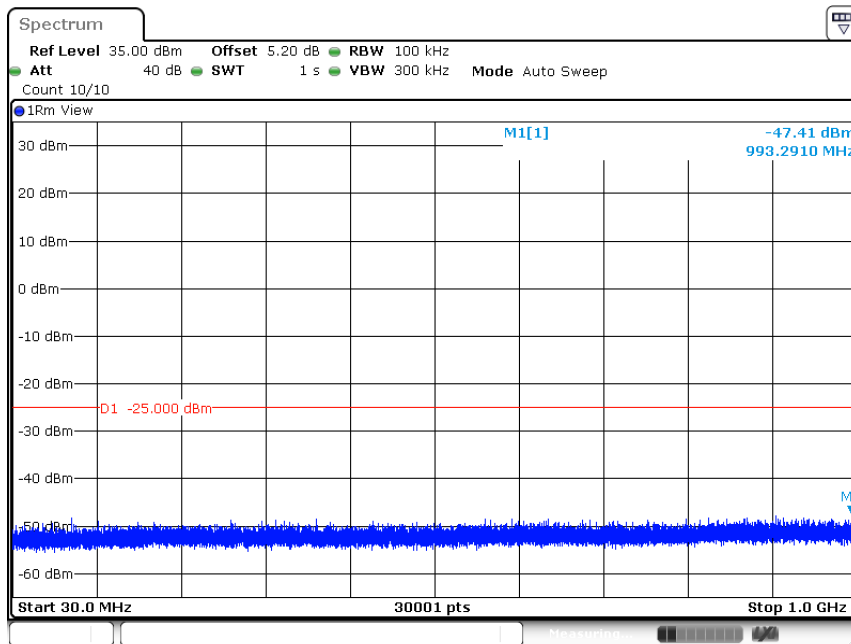
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**Band41-20MHz-64QAM-40140-1RB#0-Range2:1000~30000MHz**



Date: 15.AUG.2020 03:09:40

**Band41-20MHz-64QAM-40640-1RB#0-Range1:30~1000MHz**

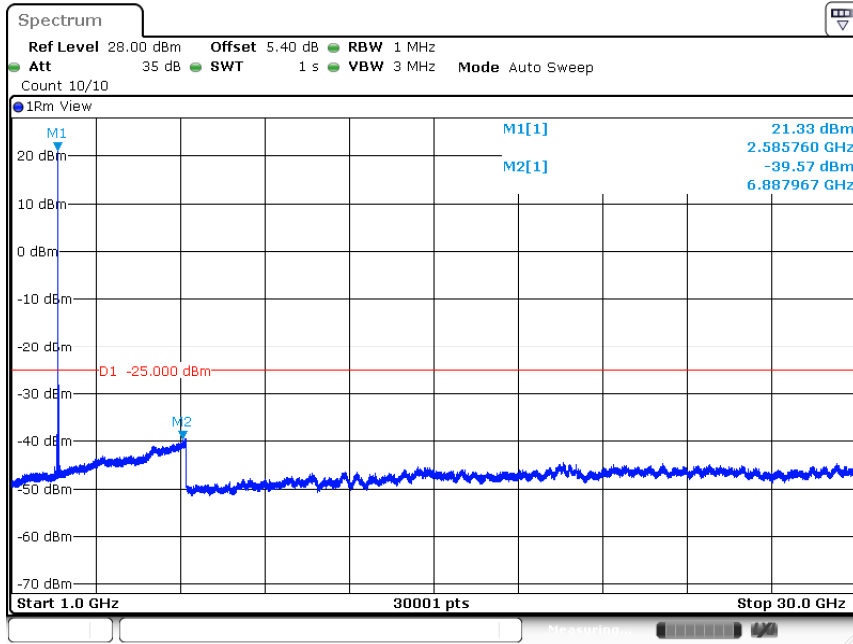


Date: 15.AUG.2020 03:10:00



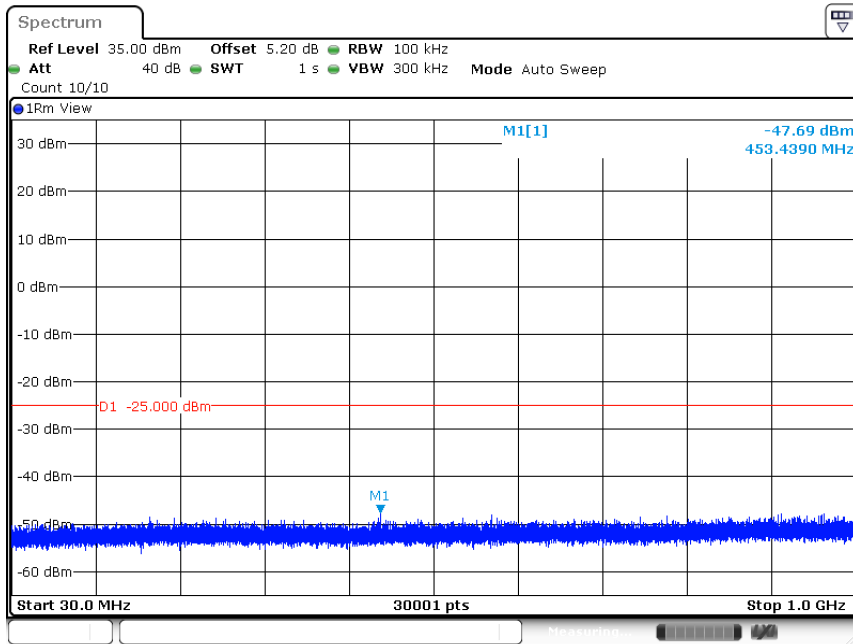
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**Band41-20MHz-64QAM-40640-1RB#0-Range2:1000~30000MHz**



Date: 15.AUG.2020 03:10:16

**Band41-20MHz-64QAM-41140-1RB#0-Range1:30~1000MHz**

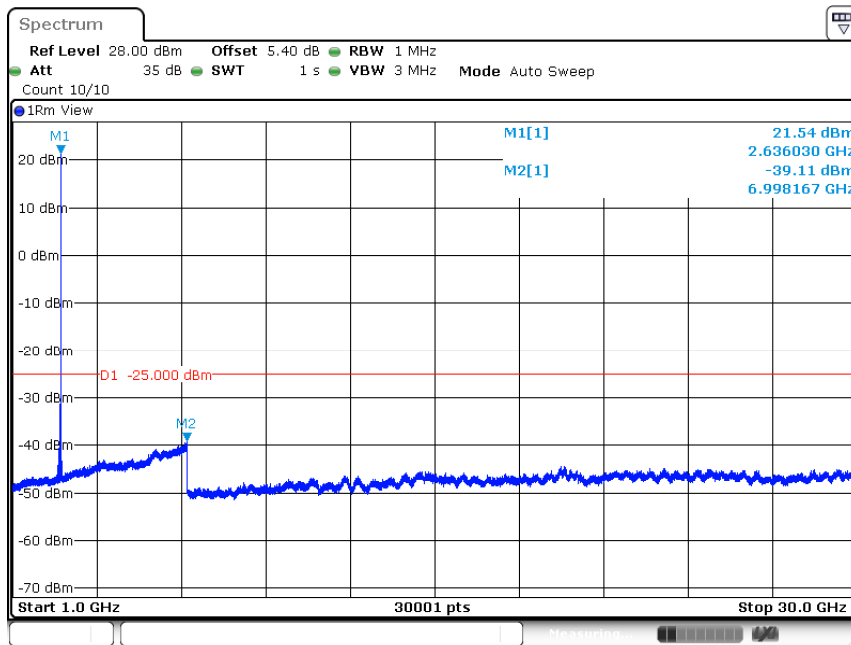


Date: 15.AUG.2020 03:10:35



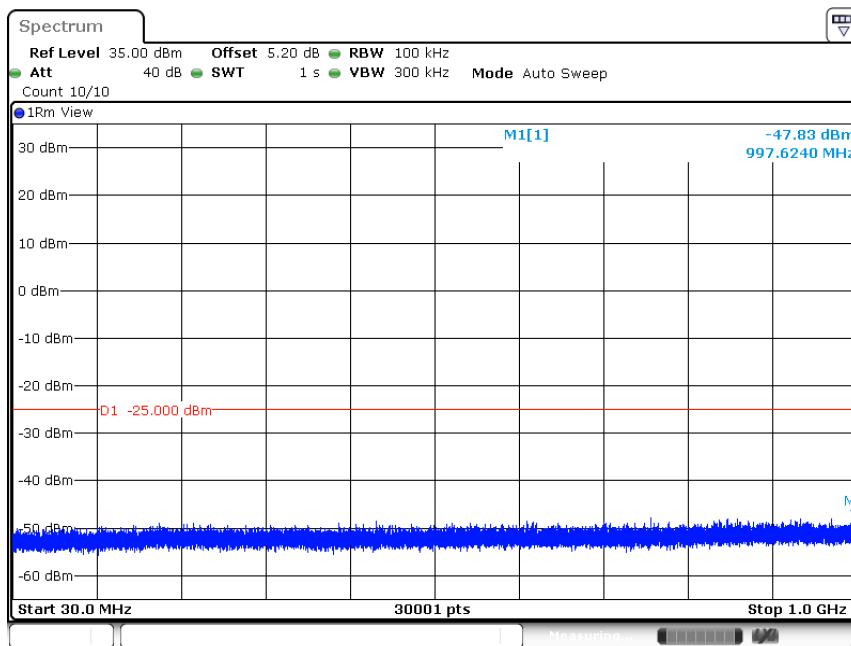
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**Band41-20MHz-64QAM-41140-1RB#0-Range2:1000~30000MHz**



Date: 15.AUG.2020 03:10:52

**Band41-20MHz-16QAM-40140-1RB#0-Range1:30~1000MHz**



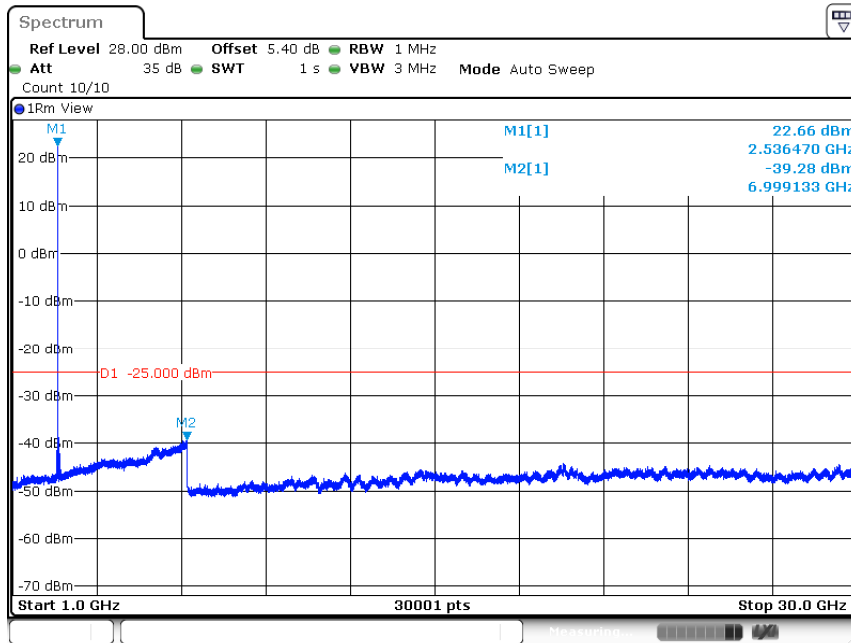
Date: 15.AUG.2020 01:20:43



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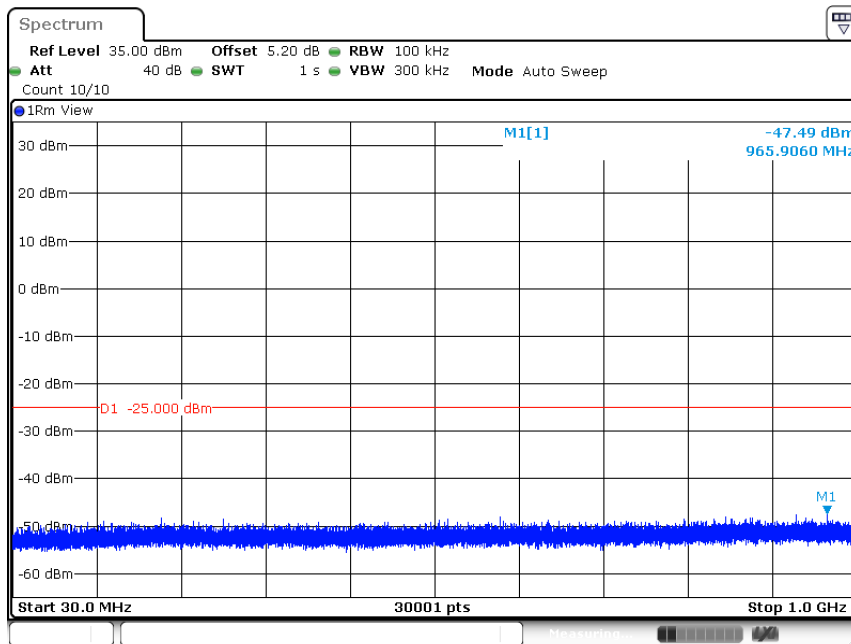
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**Band41-20MHz-16QAM-40140-1RB#0-Range2:1000~30000MHz**



Date: 15.AUG.2020 01:21:00

**Band41-20MHz-16QAM-40640-1RB#0-Range1:30~1000MHz**



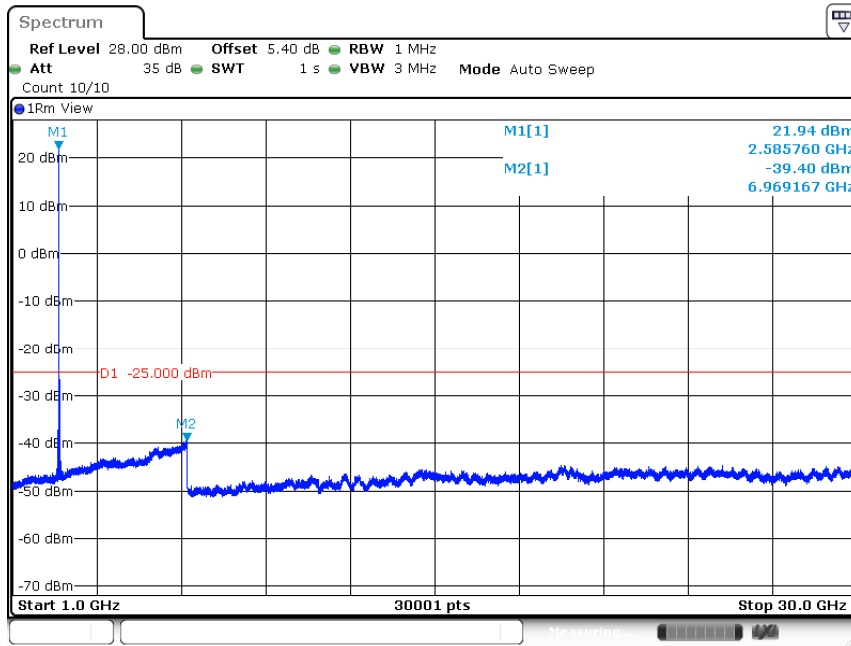
Date: 15.AUG.2020 01:21:55



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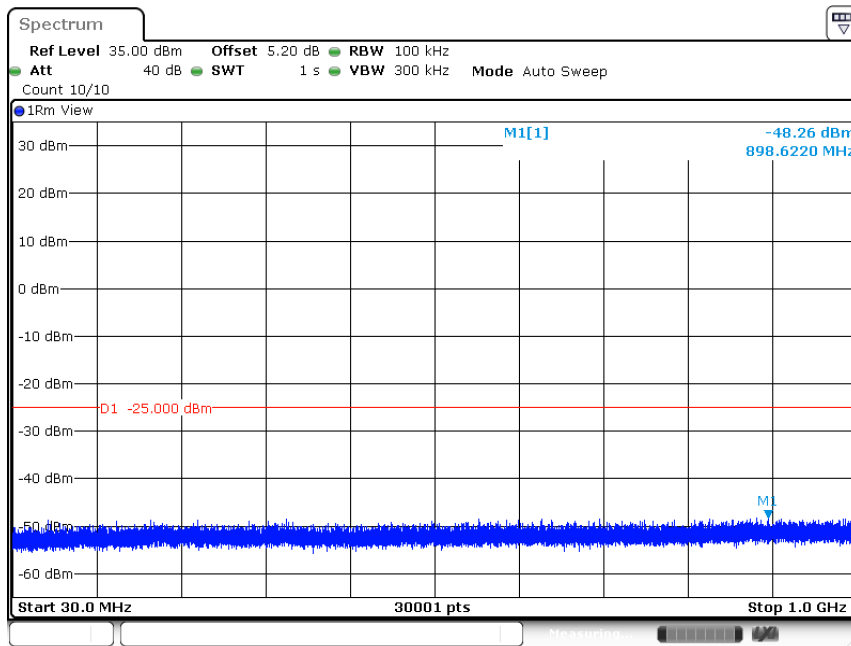
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**Band41-20MHz-16QAM-40640-1RB#0-Range2:1000~30000MHz**



Date: 15.AUG.2020 01:22:11

**Band41-20MHz-16QAM-41140-1RB#0-Range1:30~1000MHz**



Date: 15.AUG.2020 01:23:06

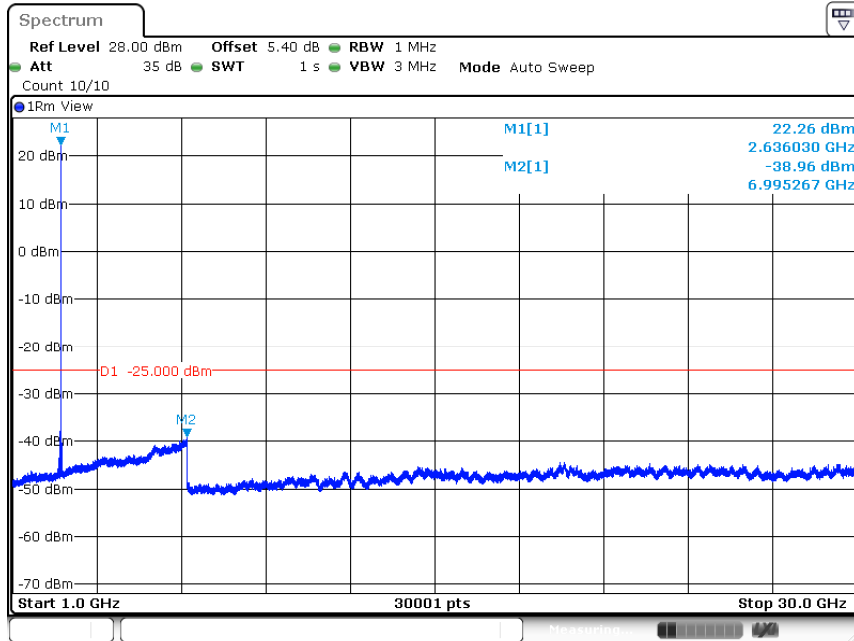


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Band41-20MHz-16QAM-41140-1RB#0-Range2:1000~30000MHz



Date: 15.AUG.2020 01:23:23



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## 7. Field Strength of Spurious Radiation

### 7.1. Test Mode =LTE/TM1 20MHz(Up Antenna)

#### 7.1.1. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
108.2344	-66.19	-25.00	41.19	Vertical
608.7309	-64.60	-25.00	39.60	Vertical
1724.5449	-44.29	-25.00	19.29	Vertical
5172.0724	-48.22	-25.00	23.22	Vertical
14478.8826	-47.76	-25.00	22.76	Vertical
17995.9999	-40.34	-25.00	15.34	Vertical
44.9872	-63.87	-25.00	38.87	Horizontal
577.5439	-65.51	-25.00	40.51	Horizontal
1798.9598	-43.37	-25.00	18.37	Horizontal
5172.0724	-51.51	-25.00	26.51	Horizontal
16390.4463	-43.82	-25.00	18.82	Horizontal
17997.4999	-45.21	-25.00	20.21	Horizontal



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## 7.2. Test Mode =LTE/TM1 20MHz(Down Antenna)

### 7.2.1. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
110.8535	-65.77	-25.00	40.77	Vertical
553.0502	-66.96	-25.00	41.96	Vertical
1819.3639	-44.37	-25.00	19.37	Vertical
5072.0691	-48.53	-25.00	23.53	Vertical
14486.8829	-47.81	-25.00	22.81	Vertical
17995.4999	-40.02	-25.00	15.02	Vertical
39.4580	-65.16	-25.00	40.16	Horizontal
685.8983	-64.00	-25.00	39.00	Horizontal
1582.5165	-45.20	-25.00	20.20	Horizontal
5072.0691	-51.19	-25.00	26.19	Horizontal
16401.4467	-43.78	-25.00	18.78	Horizontal
17983.4995	-45.24	-25.00	20.24	Horizontal

Remark:

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.
- 3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.



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## 8. Frequency Stability

### 8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	20MHz	QPSK	40140	100RB#0	VL	NT	-2.50	-0.000982	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	VN	NT	0.80	0.000314	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	VH	NT	-1.80	-0.000707	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	VL	NT	-1.00	-0.000385	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	VN	NT	-2.80	-0.001079	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	VH	NT	-2.50	-0.000963	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	VL	NT	-0.60	-0.000227	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	VN	NT	2.00	0.000756	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	VH	NT	0.40	0.000151	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	VL	NT	-4.10	-0.001611	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	VN	NT	-0.40	-0.000157	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	VH	NT	-5.30	-0.002083	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	VL	NT	-10.10	-0.003892	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	VN	NT	-8.30	-0.003198	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	VH	NT	-6.90	-0.002659	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	VL	NT	-1.30	-0.000491	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	VN	NT	-5.70	-0.002155	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	VH	NT	-0.30	-0.000113	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	VL	NT	-3.10	-0.001218	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	VN	NT	0.80	0.000314	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	VH	NT	-3.90	-0.001532	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	VL	NT	-2.40	-0.000925	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	VN	NT	-5.10	-0.001965	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	VH	NT	-3.20	-0.001233	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VL	NT	0.20	0.000076	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VN	NT	-0.60	-0.000227	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VH	NT	0.00	0.000000	±2.5	PASS

### 8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
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SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band41	20MHz	QPSK	40140	100RB#0	NV	-30	-4.50	-0.001768	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	-20	0.50	0.000196	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	0	-3.90	-0.001532	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	10	0.40	0.000157	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	20	-0.10	-0.000039	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	30	-2.20	-0.000864	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	40	-1.10	-0.000432	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	50	-4.00	-0.001572	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	-30	-3.60	-0.001387	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	-20	-6.10	-0.002351	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	0	-5.90	-0.002274	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	10	-4.70	-0.001811	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	20	0.50	0.000193	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	30	-4.50	-0.001734	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	40	-4.80	-0.001850	±2.5	PASS
Band41	20MHz	QPSK	40640	100RB#0	NV	50	-1.30	-0.000501	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	-30	0.90	0.000340	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	-20	1.80	0.000681	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	0	1.80	0.000681	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	10	2.80	0.001059	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	20	3.10	0.001172	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	30	1.80	0.000681	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	40	0.30	0.000113	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	50	-1.60	-0.000605	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	-30	-3.40	-0.001336	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	-20	0.00	0.000000	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	0	-4.60	-0.001807	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	10	-4.90	-0.001925	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	20	-2.20	-0.000864	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	30	0.20	0.000079	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	40	-4.00	-0.001572	±2.5	PASS
Band41	20MHz	64QAM	40140	100RB#0	NV	50	-3.60	-0.001415	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	-30	-10.20	-0.003931	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	-20	-7.90	-0.003044	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	0	-11.40	-0.004393	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	10	-6.60	-0.002543	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	20	-8.00	-0.003083	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	30	-7.40	-0.002852	±2.5	PASS



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Band41	20MHz	64QAM	40640	100RB#0	NV	40	-6.00	-0.002312	±2.5	PASS
Band41	20MHz	64QAM	40640	100RB#0	NV	50	-6.40	-0.002466	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	-30	-2.70	-0.001021	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	-20	-2.70	-0.001021	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	0	-3.20	-0.001210	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	10	0.20	0.000076	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	20	-2.30	-0.000870	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	30	-0.80	-0.000302	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	40	-1.30	-0.000491	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	50	-1.30	-0.000491	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	-30	-1.70	-0.000668	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	-20	-1.30	-0.000511	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	0	-4.30	-0.001690	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	10	-0.90	-0.000354	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	20	-0.30	-0.000118	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	30	-0.60	-0.000236	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	40	-1.70	-0.000668	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	50	-0.40	-0.000157	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	-30	-7.20	-0.002775	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	-20	-4.30	-0.001657	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	0	-2.40	-0.000925	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	10	-5.70	-0.002197	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	20	-3.80	-0.001464	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	30	-5.80	-0.002235	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	40	-6.50	-0.002505	±2.5	PASS
Band41	20MHz	16QAM	40640	100RB#0	NV	50	-6.60	-0.002543	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	-30	-1.70	-0.000643	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	-20	-2.20	-0.000832	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	0	-0.60	-0.000227	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	10	1.20	0.000454	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	20	5.90	0.002231	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	30	5.70	0.002155	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	40	0.50	0.000189	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	50	2.40	0.000907	±2.5	PASS



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